X

PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

PUNJAB

FOR

1891-92.

LAHORE:

PRINTED AT THE "CIVIL AND MILITARY GAZETTE" PRESS.

1892.

No. 1520 F., dated Calcutta, the 10th December 1892.

From—J. W. P. MUIR-MACKENZIE, Esq., C.S., *Offg. Secy. to the Govt. of India,*
To—*The Revenue Secretary to the Government of the Punjab.*

I AM directed to acknowledge the receipt of your letter No. 802 S., dated the 1st October last, forwarding, for the information of the Government of India, the Forest Administration Report of the Punjab for the year 1891-92, together with a review thereof by His Honour the Lieutenant-Governor.

2. The alterations in the area of forests controlled by the Department were unimportant, and were due in great part to rectifications of previous figures. Forty-two square miles, however, have been selected in the Jhang District for the formation of an irrigated plantation, and will shortly be added to the reserves.

From paragraph 5 of the Conservator's report, it is understood that the plan of transferring the waste lands in the Province to the management of the Forest Department has been considerably modified, by excluding the Bár lands, which it has been apparently decided to leave for the present under the direct control of the Revenue officials. The Government of India would be glad to be informed of the reasons for this decision; and desire to point out that even though these lands should not be brought under the control of the Forest Department, their management as waste lands might be facilitated if they were notified and brought under the provisions of the Forest Act.

3. In respect of forest settlements, the work done was insignificant. Orders on the settlement of Kangra proper and of Kulu are still pending, for reasons stated in your letter No. 742 S., dated 24th September last, to this Department. The Government of India, however, are without information regarding the settlement of Shahpur Kandi.

4. Sufficient attention appears to have been given to a proper delimitation of the forests, especially in the mountainous tracts. The survey of forests in the Kangra District and the Bashahr State was continued by officers of the Imperial Survey Department and Forest Survey Branch, respectively; while in several districts in the plains, various forests were mapped in connection with the Land-Revenue Survey.

5. During the current year working-plans operations were restricted to the Bashahr forests, where a special officer was employed throughout the year. Within the past three or four years, also, no working-plans have been completed. The want of progress in this important branch of forest administration has been no doubt due in part to the difficulty experienced in finding officers for the work; but the Government of India invite the attention of Sir Dennis Fitzpatrick to its backward condition. The forest areas under working-plans are only 5·4 per cent. of the whole; and judging from the past rate of progress, it will be many years, in the absence of special efforts, before all the valuable forests in the Punjab are managed under regular programmes. In the few hill-tracts where working-plans are in force or under preparation, it has been found that the forests have been considerably over-exploited in past years; and there can be no certainty that the other valuable areas are now being worked within their capabilities. I am to ask that in the Administration Report for the current year this subject may be specially considered, information being given as to the area and position of forest-tracts for which plans

are more urgently needed, and the probable time which will be required for the completion of the various schemes.

6. In the last two Administration Reports, the inadequacy of the controlling staff has been commented upon; but the fact has apparently been overlooked that the revised scale of establishment recently sanctioned provides for the charge of six divisions being held by officers in the Provincial Forest Service.

7. Under the head of general protection and breaches of the law there is but little in the Report calling for comment. The number of forest cases was 1,315, or 9 per cent. in excess of the previous year. The percentage of prosecutions resulting in convictions, *viz.* 78, remained unchanged. The number of compositions accepted under section 67 of the Forest Act was 648, and 36,198 animals were impounded.

8. The year's administration was marked by the occurrence of disastrous fires, which extended over some 80 square miles, as compared with 15 square miles in the previous year. The Government of India concur in the views of His Honour the Lieutenant-Governor on this subject, and notice with satisfaction, with reference to what is stated in paragraph 9 of the letter from this Department marginally noted, that the matter will receive special consideration in the Hazara District, where forest incendiarism is stated to be prevalent.

No. 1165 F., dated 22nd October 1891.

9. The remarks of the Conservator on artificial reproduction are interesting. The Government of India agree that established forests, like that of Changa Manga, and experimental gardens and orchards should no longer be classed as plantations. The success which is stated to have attended the plantations of Sabathu and Dagshai is gratifying. The comparative failure to introduce the exotic species, *Robinia pseudo-Acacia* and *Albizzia lophantha*, is unfortunate, but it is observed that the experiments are to be continued.

10. The outturn of forest-produce, as compared with the returns for 1890-91, was :—

Outturn.

Class of forests and agencies by which produce was removed.	Timber.	Fuel.	Total wood.	Bamboos.	Minor produce.
Reserved.	Cubic feet.	Cubic feet.	Cubic feet.	No.	R
Government . . .	621,259	1,875,844	2,497,103	647,000	200
Purchasers . . .	272,157	600,411	872,568	1,460	74,988
Free-grants . . .	1,820	38,963	40,783	...	11,702
Right-holders . .	40,062	651,030	691,092	...	52,855
Total in 1891-92 .	935,298	3,166,248	4,101,546	648,460	1,39,745
„ „ 1890-91 .	999,440	3,373,468	4,372,908	619,039	1,27,380
Protected.					
Government . . .	...	...	...	...	...
Purchasers . . .	22,176	226,418	248,594	...	29,705
Free-grants . . .	...	...	...	...	...
Right-holders . .	4,690	1,679,803	1,684,493	...	87,014
Total in 1891-92 .	26,866	1,906,221	1,933,087	...	1,16,719
„ „ 1890-91 .	23,412	3,000,020	3,023,432	19	1,24,651

Outturn—continued.

Class of forests and agencies by which produce was removed.	Timber.	Fuel.	Total wood.	Bamboos.	Minor produce.
Unclassed.	Cubic feet.	Cubic feet.	Cubic feet.	No.	R
Government . . .	13,122	734,665	747,787	26,900	176
Purchasers . . .	190,890	333,077	523,967	3,025	1,23,660
Free-grants . . .	832,148	11,857	844,005	...	226
Right-holders . .	382,706	22,816,015	23,198,721	...	91,800
Total in 1891-92 .	1,418,866	23,895,614	25,314,480	29,925	2,15,862
„ „ 1890-91 .	845,076	23,482,103	24,327,179	43,400	2,12,224
Grand Total in 1891-92 .	2,381,030	28,968,083	31,349,113	*678,385	4,72,326
„ „ 1890-91 .	1,867,928	29,855,591	31,723,519	†662,458	4,04,255
Difference in 1891-92 .	+513,102	—887,508	—374,406	+15,927	+8,071

* Value . . . . . R12,854 | † Value. R12,604

The total quantity of timber and fuel removed was 31,349,113 cubic feet, being 374,406 less than in the previous year. This apparent decrease was due to a change in the system of calculating the amount of firewood used by right-holders. The outturn of timber was greater by more than five lakhs of cubic feet. In the absence of working-plans, it is impossible to be certain that the forests are not being too heavily cropped, but there is no other reason for doubting that the year's work was satisfactory.

11. The financial results of the year were as follows :—

Year.	Receipts.	Charges.	Surplus.	Proportion of Surplus to gross Revenue.
	R	R	R	Per cent.
1891-92	10,20,074	6,40,274	3,79,800	37
1890-91	8,34,370	6,53,041	1,81,329	22
Difference in 1891-92 . .	+1,85,704	—12,767	+1,98,471	+15
Average for the five years ending 1890-91	9,43,213	6,57,441	2,85,772	30

The increase of revenue, as compared with previous figures, was due to the disposal of large stocks of timber withheld from sale in 1890-91.

12. I am, in conclusion, to thank Sir Dennis Fitzpatrick for his review of the operations of the year, and to say that the Government of India have read with satisfaction his commendation of Messrs. Wild and Whittall, who discharged the duties of Conservator during the year.

Government of India Central Printing Office.—No. 496 R. & A.—23-12-92.—285.—Radhanath.

Proceedings of the Hon ble the Lieutenant-Governor of the Punjab, in the Forest Department, No 801 S., dated 1st October 1892.

READ—

The Progress Report on the Forest Administration of the Punjab for the year 1891-92, submitted by the Conservator of Forests with his letter No. 1148, dated the 23rd July 1892.

REMARKS.—The revenue of the Forest Department during the year was Rs. 10,20,074 and the expenditure Rs. 6,40,247. The surplus was Rs. 3,79,800, an increase of Rs. 1,62,111 over the average income of 15 years, and more than two lakhs above the surplus realized last year. Advantage was taken of the rise of prices to dispose of large stocks of wood which had been withheld from the market in the previous year. There was thus a large increase in the revenue on the sale of timber. A mere increase in revenue is not in itself a proof of good working. The wisdom of restricting the sales of timber in the previous year, although it involved a diminution of receipts for the time, has, however, been proved in the financial success of the present year.

2. There was an addition of about 41 square miles during the year to the reserved area. The increase was partly one of figures being due to the correction of the old areas consequent on the new survey in Bashahr; but there was also an actual increase in the reserved area from unclassed forests chiefly in Bashahr. The protected area was increased by about 131 square miles chiefly in Kohát, where the forests of Khwarra and Zíra after a long enquiry were demarcated and brought on the departmental books.

3. In regard to the delay in disposing of the long-pending Forest Settlements of Kulu, Kángra and Shahpur Kandi the Government of India has been separately addressed.

4 The Forest Settlement of the Gujrát Belas has now been taken in hand, and notifications under Section 4 of the Forest Act have already been issued.

5. The Conservator is hardly accurate in saying that no progress has been made towards the reservation of the Military grass preserves for which preliminary notifications were issued last year. The reservation of Phagwára Plots I and II in Sarangwál Bír has been notified. The settlement of Rakh Bandan has been made, but not yet sanctioned, owing to technical difficulties connected with the form of the record, as to which a report has been called for. The settlements of the other rakhs are all in progress. The general proposal to transfer district waste lands to Forest control has been settled so far as relates to the tirni-paying areas, and as to the remainder will be considered separately for each district.

The orders issued by the Financial Commissioner regarding the errors in the records of the reserves in the Jhelum District which are referred to in paragraph 3 of the Report appear to be inconsistent with the opinion expressed by the Government of India in paragraph 3 of their Review of the Report for 1890-91. The matter has only now come to the notice of Sir Dennis Fitzpatrick and he will look into it.

6. There was a small increase in the number of Forest offences. The percentage of convictions, 77·8, is high. If the Conservator thinks that punishments inflicted by Magistrates are too light, he is requested to notice the particular cases. The Conservator's remark that fewer cases of fire have been taken up by the Deputy Commissioner of Hazára is not understood and should be explained. The composition of offences was apparently conducted judiciously and in accordance with the principles laid down in paragraph 3 of the Review last

year. The Lieutenant-Governor agrees that there is no reason for the change which the Divisional Officer of Ráwalpindi made in the former practice of accepting compensation in cases reported on by Rangers as well as by himself. The former practice should be reverted to.

7. *Forest fires.*—The present year has been a disastrous one for forest fires. Although the area burnt is more than five times the area burnt in 1890-91, yet the number of cases sent for trial for causing injury to forests by fire is less than half the number of the previous year.

The drought and heat of the summer of 1891 no doubt account in a large measure for the extraordinary increase in the number of fires and for the excessive devastation as compared with 1890. The average area which was burnt in 1891 by each fire was 173 acres against 142 acres in 1890. It is to be regretted that the attempts at fire protection have had so little success. The percentage of specially protected area burnt is 12·42, while of the unprotected area a percentage of only 0·71 was burnt. It is evident, as the Conservator remarks, that much of the so-called protection in Hazára is quite useless. The Lieutenant-Governor has read Mr. Whittall's remarks on the subject in 1889-90, and the Deputy Commissioner of Hazára has been asked to give a detailed report on the question in all its bearings.

8. *Grazing.*—Forty-seven per cent. of the areas of reserved forests are closed against all grazing and about 24 per cent. in addition are partially closed. The remarks made on this subject in the Review of the Report for 1890-91 continue to apply.

9. The record of natural production in this Report shows the hard conditions under which vegetable life existed last year in many parts of the Province. Invasions of locusts caused great injury in the Jhelum Division, where nearly all the trees in the Ghandála Plantation were stripped of their young leaves at the commencement of the spring growth.

The unusually heavy winter rains followed by a long drought and great heat affected forest growth most unfavourably. It is greatly to be regretted therefore that in the only place where coppice reproduction showed great promise, *viz.*, the protected area of the Kalesar Sál Forest, repeated fires have been so disastrous.

10. In regard to artificial production, which is almost entirely a technical question, the Lieutenant-Governor cannot be expected to have any views of his own. All that he can say upon it is that he is ready to be guided by the Conservator in matters connected with it and to sanction any reasonable expenditure that may be required.

The success of the plantations at Dagshai and Sabáthu is matter for legitimate congratulation. As to the excessive classification of areas as plantation, the Lieutenant-Governor agrees with the Conservator, but will await his detailed and separate recommendations before passing orders.

11. The Punjab Forest Department has now been reorganized, and in its upper ranks amalgamated with the Forest Departments of other Provinces. The Lieutenant-Governor agreed to the amalgamation from a regard to the permanent interests of the Forest Officers working in the Punjab, and he trusts that time will prove that a real benefit has been secured. The amalgamated arrangements at the outset undoubtedly cause complication and delay, but when once the new system has been started there seems to be no reason why it should not work smoothly and well.

12. The administrative charge of the Forest Department during the greater part of the year under review rested with Mr. Wild, who discharged his duties to the satisfaction of Government. The present Report has been submitted by Mr. Whittall, to whom the acknowledgments of Government are due.

ORDER.—Ordered, that the above Remarks be printed and published as usual with the Report and in the *Punjab Government Gazette.*

Also that they be forwarded with the Report to the Government of India in the Department of Revenue and Agriculture.

By order of the Hon'ble the Lieutenant-Governor,

R. G. THOMSON,

Revenue Secretary to Government, Punjab.

Punjab Government Press, Lahore—6-10-92—406.

No. 1148.

FOREST DEPARTMENT, PUNJAB.

FROM

R. H. C. WHITTALL, ESQUIRE,

Conservator of Forests, Punjab,

To

THE REVENUE SECRETARY TO GOVERNMENT, PUNJAB.

Dated LAHORE, 23*rd July* 1892.

SIR,

I have the honour to submit the Annual Administration Report of the Punjab Forest Department for the year 1891-92.

I have the honour to be,

Sir,

Your most obedient Servant,

R. H. C. WHITTALL,

Conservator of Forests, Punjab.

TABLE OF CONTENTS.

CHAPTER I.—AREAS AND BOUNDARIES

1.—Areas.

Para.		Page
1.	Changes during the year	1
2.	Changes by Divisions	ib.
3.	Forest and Land Revenue Settlements	4
4.	Reservation of new areas	ib.
5.	Transfer of waste land from District to Forest control	ib.

2.—Boundaries

6.	Work of the year	5

CHAPTER II.—SURVEYS, WORKING PLANS AND ANNUAL PLANS OF OPERATIONS.

1.—Surveys.

7.	Work of the year	ib.
8.	Departmental work	ib.
9.	Maps	ib.

2.—Working Plans.

10.	Work of the year	ib.
11.	Working Plans prepared but not yet sanctioned	7
12.	Other Working Plans	ib.
13.	Deviations from sanctioned Plans	ib.
14.	Control Books	ib.

3.—Annual Plans of Operations.

15.	General	ib.

CHAPTER III.—PROTECTION AND IMPROVEMENT.

1.—Establishment.

16.	Changes in Controlling Staff	7
17.	Subordinate Establishment	ib.

2.—General Protection and Breaches of Forest Laws.

18.	Forest offences	8
19.	Cases compounded	9
20.	Cattle-trespass	ib.

3.—Forest Fires.

21.	Results of the year	10
22.	General remarks	11

4.—Grazing and Fencing.

23.	General remarks on grazing	ib.
24.	Fencing	14

5.—Natural Reproduction.

25.	Natural reproduction in Divisions	ib.

6.—Artificial Reproduction.

26.	General remarks	15
27.	Regular plantations	16
28.	Cultural operations	17

7.—Early Thinnings, Removal of inferior species, Cutting of Creepers, &c.

29.	Work of the year	18

8.—Experiments and Exotics.

30.	General remarks	19

9.—Communications and Buildings.

31.	Roads, Bridges and Buildings	ib.

CHAPTER IV.—OUTTURN AND WORKING.

Summary of Produce removed from the Forests.

Para.		Page
32.	Summary of removals from the forests (Forms 54 and 55)	20
	1.—Departmental Operations.	
33.	General remarks and explanations by Divisions	21
	2.—Removal of Produce by Purchasers.	
34.	General remarks (Forms 54 and 55) and explanations by Divisions ...	22
	3.—Free Grants of Forest Produce.	
35.	General remarks (Forms 54 and 55)	*ib.*
	4.—Removal of Produce by Right-holders.	
36.	Timber and firewood	*ib.*
	5.—Imports.	
37.	Summary	*ib.*
	6.—General.	
38.	Tramway	*ib.*
39.	Growth of shisham	*ib.*
40.	Murree and Kahúta Working Plan	23
41.	Forecast of Chamba Working	*ib.*

CHAPTER V.—FINANCIAL RESULTS.

42.	General summary	24
43.	Revenue and Expenditure (Form 58)	*ib.*
44.	Financial results (Form 62)	*ib.*
45.	Outstandings of Revenue (Form 60)	*ib.*
46.	Outstandings against Contractors and Disbursers (Form 61)	*ib.*
47.	Results of the year's transactions	*ib.*
48.	Results by Divisions	25

CHAPTER VI.—GENERAL REMARKS.

49.	Locusts	*ib.*
50.	Kotkhái and Kotguru Forests	*ib.*

Statements illustrating the Annual Accounts.

Form No. 49.--Area of Reserved Forests.
" " " —Area of Protected Forests.
" " " —Area of Unclassed State Forests.
" " 50.—Register of breaches of Forest Rules.
" " 51.—Area of forest tracts protected from fire during the dry season.
" " 52.—Area of plantations.
" " 54.—Outturn of timber and firewood.
" " 55.—Outturn of minor forest produce.
" " 56.—Account of timber and other produce cut or collected by Government agency and brought to sale depôts or sold locally.
" " 57 A.—Abstract showing the value of timber and other produce at sale depôts.
" " 57 B.—Abstract of live and dead stock.
" " 58.—Summary of Revenue and Expenditure of the Divisions.
" " 59.—Account current.
" " 60.—Revenue received and outstandings on account of Revenue.
" " 61.—Outstandings and liabilities on account of contractors and disbursers.
" " 62.—Financial results.

APPENDICES.

A.—Statements of animals impounded.
B.—Statement of imports of timber and bamboos during 1891-92.
C.—Statement showing abstract of drift operations during the year.

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE PUNJAB

FOR THE YEAR 1891-92.

CHAPTER I.—AREAS AND BOUNDARIES.

I.—Areas.

Changes during the year.

The accompanying statement shows the areas at the disposal of the Forest Department at the commencement of the year, and the changes that have taken place during it; the increase on all classes of forest is nearly sixty-eight thousand acres—

	At the commencement of the year.	Added.	Excluded.	At the close of the year.
	Acres.	Acres.	Acres	Acres.
Reserves ...	10,84,392	26,265	13,081	10,97,576
Protected ...	2,26,620	84,146	2,759	3,08,007
Unclassed ...	25,06,331	3,058	29,684	24,79,705
TOTAL ...	38,17,343	1,13,469	45,524	38,85,288

Changes by Divisions.

2. The additions to and deductions from the areas of the various classes of forests exhibited in Form 49 are detailed below for the different divisions :—

(*a*) *Reserves.*

Kángra.—An area of 7 acres was added, at the annual remeasurement by the patwári agency under the Civil authorities, to the Bághrián and Mullanwál Reserves in the Gurdáspur and Hoshiárpur Districts. But these two reserves were subsequently abandoned, and their area, now corrected to 546 acres, was excluded from reserved forests under Punjab Government Gazette *Notification No.* 56, *dated the* 3*rd February* 1892, and temporarily transferred to unclassed forests pending the cutting and disposal of the standing crop.

Bashahr.—The survey of Bashahr resulted in the correction of the areas of reserved and unclassed forests in that State; and this correction, together with the reservation of some of the demarcated unclassed forests, has increased the area of reserves in this Division from 1,03,406 to 1,17,451 acres.

In the Neogli and Taranda Ranges the survey added 1,796 and 828 acres, while in the Kilba, Kailás, and Chini Ranges it reduced the areas by 350, 1,362 and 4,011 acres, respectively.

The addition to the reservation, which was made with the consent of the Tíka Sáhib of Bashahr, was a transfer of 6,135, 7,185 and 3,824 acres from the unclassed forests, in the Kailás, Pandrábis, and Taranda Ranges, respectively, to reserves. For administrative purposes these same areas have been attached respectively to the Chini, Pandrábis, and Neogli Ranges.

Jhelum.—Sixteen acres were added by river action, 15 in Bela Saila, and 1 in Bela Ságarpur, while ten acres were lost from the same cause, 4 in Peraghaib, and 6 in Bela Saila; the result was a total gain of 6 acres.

Chenáb.—The additions were—

	Acres.
In the Gujrat District.	
By river action—	
To Bela Behlolpur	5
By remeasurement at Land Revenue Survey—	
To Pabbi	434
In the Gujranwala District.	
By remeasurement at Land Revenue Survey—	
To the Gujránwála Reserves	37
Total	476

The exclusions were—

In the Gujrat District.	
By order of Forest Settlement under Punjab Government Gazette *Notification No.* 298, *dated 28th August* 1891—	
To the zamíndárs from Dhul and Mári ...	7
From the Pabbi	321
By river action—	
From Syan	2
From Bela Náth	34
By Judicial decree in Court of Subordinate Judge of Gujrát, dated 3rd November 1890,—*Notification of exclusion about to issue*—	
From Bela Náth	124
By remeasurement at Land Revenue Survey—	
From Pindi Tátár	77
In the Gujranwala District.	
By remeasurement at Land Revenue Survey—	
From Gujránwála Reserves	17
By Punjab Government Gazette *Notification Nos.* 298, *and* 104, *dated 28th August* 1891 *and 3rd March* 1892, *respectively*—	
Made over to Canal Department from Hafizabad Reserves	248
By orders contained in Financial Commissioner's *No.* 2157, *dated 3rd April* 1891—	
From the Háfizabad Reserves	3
Total ...	833

Lahore.—Thirty-two acres were added to the area of the Shahdara Reserve. The reserve has not thereby been changed. When the boundaries were originally Gazetted, 32 acres being at that time in dispute, were not brought on to the area in the books. Our ownership being now no longer contested, the recorded area of the reserve has been increased by the 32 acres previously omitted. Of this 32 acres three acres have been lost by river action.

(*b*). *Protected Forests.*

Ráwalpindi—Examination of Settlement Records has led to the discovery of an error in the Murree Range. The result is a gain of one acre. In the same Range 30 acres were struck off, in accordance with *Punjab Government Gazette Notification No.* 232, *dated 19th April* 1892, and handed over to the Military Department.

In the Kahúta Range an excess of 9 acres was found in the Settlement Records and excluded.

Chenáb.—The 2,573 acres reported as excluded from Protected Forests in the Háfizabad Tahsíl last year have been found to be 3 acres in excess. These have been written back to additions this year.

The requirements of the new Chenáb Canal have taken 2,720 acres from these same Háfizabad Protected Forests.

Kohát.—In the Kohát District, the Forests of Khwarra and Zíra with an area of 84,142 acres have been brought on to the books of the Department as Protected Forests under the orders contained in Government Punjab, *No.* 80, *dated 28th January* 1890.

(*c*) *Unclassed Forests.*

Ráwalpindi.—Five hundred and eighty acres have been excluded from the Attock Range, being the area of the Jabba Jhíl, which was made over to the Military Department.

Kángra.—The area of unclassed forests has been temporarily increased by the addition of 546 acres, the area of the Bághrián and Mullanwál Forests. This area has ceased to be reserved forest, as already stated in para. 2 but is retained on the books of the Department till the trees have been cut off it and removed. Of the 546 acres 37 are excluded, having been lost by erosion.

From the Nurpur Range 162 acres have been excluded as grants for cultivation.

Kulu.—No orders having issued on the subject of the Kulu Forest Settlement, the whole of the Kulu Forests are borne on the records as unclassed forests; from this area 234 acres were excluded for cultivation during the year.

Bashahr.—As stated before the areas of the unclassed forests in this Division underwent a change owing to corrections made by the Imperial Forest Survey, and to transfers from unclassed to reserved forest. Owing to the former, reductions were made of 111 acres, 475 acres, and 1,936 acres from the Kailas, Pandrábis, and Taranda Ranges respectively; while the transfer, from class to class added 6,135, 7,185, and 3,824, acres, to the Chini, Pandrábis and Neogli Ranges.

Jhelum.—The increase of 25 acres in the River Range is due to the re-appearance of Bela Katián, which some years ago was submerged.

Chenáb.—In the Gujrát District, 241 acres were added by river action in the Chenáb River Range, and 7 acres by the same cause to the Jhelum *Belás* of the Pabbi Range. In the Pabbi also 18 acres were added by re-measurement under Land Revenue Settlement in order to correct previous returns, while in the Bhera Range, Shahpur District, 2,141 acres were added by Land Revenue Settlement, bringing the total addition in area to 2,410 acres. Against this, however, the following exclusions took place In the Gujrát and Gujránwála Districts, 175 and 538 acres, respectively, were excluded from the River Range, by Land Revenue Settlement, and for the same cause the area of the Kathála plantation in the Gujrát District was reduced 1 acre, as also the Bhera Rakhs, Shahpur District by 5,998 acres. 160 acres were transferred from the Siálkot District to the Military authorities under the orders contained in the Financial Commissioner's letter *No.* 3517, *dated 6th June* 1890. In the Gujrát District, 9 acres were lost by river action on the Chenáb and 20 acres on the Jhelum, bringing the total exclusions up to 6,901 acres.

Lahore.—6 acres were transferred in the Chunián Range from Rakh Aulakh to the Canal Department, under Punjab Government *Notification No.* 437, *dated 7th December* 1891.

Multan.—In the Muzaffargarh District, 33 acres and 1,479 acres were excluded from the Muzaffargarh and Alipur Ranges respectively by river action, while 533 acres were taken off the books of the Department and made over to the District authorities, in accordance with orders contained in Punjab Government *No.* 208, *dated 6th May* 1891.

Montgomery.—53 acres were acquired in the middle of the Mirdád Reserve in exchange for 53 acres in unclassed Forest No. 57, Chichawatni Range. The former area is at present unclassed forest and is shown as added to the Montgomery and excluded from the Chichawatni Range.

Ambala.—24 acres were added to the Sabáthu plantation being transfered from lands under the control of the Military authorities by orders contained in Punjab Government letter *No.* 318, *dated 1st August* 1890.

FOREST AND LAND REVENUE SETTLEMENT.

Forest Settlements

3. The concessions to be granted to villagers in the case of the Chamba leased forests are still under consideration by His Highness the Rája, who has this year visited Pangi it is believed, especially with this object.

There is no progress to report in the matter of the Forest Settlements of the Kangra, Kulu, and Shahpur-Kandi Forests.

The decision of the Local Government with regard to the settlement of rights in certain reserves in the Gujrat District, referred to in para. 3 of last year's Provincial Report has been given effect to in Punjab Government *Notification No.* 298, *dated* 28*th August* 1891.

Land Revenue Settlements.

In accordance with the orders of Financial Commissioner, as contained in his letter No. 5,280, dated 31st August 1891, further detailed examination of the land records in connection with the reserves of the Jhelum District has been discontinued. The boundary pillars only of the reserves have been attended to and put in thorough repair. Should any errors calling for an alteration of boundaries come to light it is ordered that they be disposed of in the ordinary course of management.

Reservation of new areas.

4. The final *Notification No.* 298, *dated* 28*th August* 1891, completing the Forest Settlement Officer's proposals with regard to the settlement of the reserves in the Gujrát and Kharián Tahsíls of the Gujrát District issued during the year.

The reservation of the Arbi grass preserve in the Multan District, and of the 19 belas in the Gujrát District has not advanced appreciably since last year It is understood, however, that the Settlement Officer's Report in the case of the Gujrát Belas is before Government.

A block of 27,144 acres in the Jhang District on the new Chenáb Canal, referred to in para. 4 of last year's Report, has been selected, and steps are being taken to reserve it under Chapter II of the Act.

The following preliminary notifications under Section 4 of Act VII issued during the year :—

Name of proposed reserve.	Area acres.	District.	Notifications.
Bela Tahliánwála	92	Siálkot ...	No. 430, dated 4th December 1891.
Chah Shershahwála	about 53	Montgomery ...	„ 453 „ 15th „ „

The proposals to reserve 8,786 acres as Military grass preserves in various Districts of the Province have not got beyond the issue of the preliminary Notifications, as reported last year, but to them the following have since been added :—

Name of forest.	Approximate area in acres.	District.	Notification.
Rakh Bhakriáli ...	About 311	Siálkot	No. 290, dated 21st August 1891.
„ Gulabgharh ...	„ 244½	„	„
„ Maliánwáli ...	„ 358	„	„

Transfer of waste land from District to Forest-control

5. The proposal to transfer waste land from District to Forest control referred to in para. 5 of last year's report is still pending.

As long as the area to be transferred to the management of the Forest Department was as extensive as originally contemplated, the subject of these transfers was of great importance. But now the Bár lands are excluded from consideration, and it is found that much local opposition exists on the part of District Officers to part with any of the lands under their control. The little that is left of the original idea is therefore of not much importance to the Forest Department.

II.—Boundaries.

6. The boundary work done during the year is shown in the following statement :—

Work of the year.

Divisions.	Boundary lines.		Loose stone walling erected.	Trenches.		Pillars.		Remarks.
	New work.	Repairs.		Newly made.	Cleared.	Newly erected.	Repairs.	
	M. ch.	*M. ch.*	*M. ch.*	*M. ch.*	*M. ch.*	*No.*	*No.*	
Hazára	35 40	...	...	...	...	...	154	
Ráwalpindi	48 60	...	...	...	...	125	10	
Chamba	...	68 40	...	...	...	184	1,201	
Kángra	...	88 40	...	...	...	220	1,351	
Kulu	..	...	...	...	...	533	688	
Bashahr	...	...	...	...	...	423	385	
Jhelum	..	...	...	...	...	11	3,302	3,089 only white-washed.
Chenáb	...	...	...	1 4	...	...	...	
Lahore	...	11	...	3 8	...	111	...	
Multan	5 20	85 79	...	...	...	447	961	
Montgomery	...	...	...	...	...	...	25	
Ambala	1 1	7 38	...	...	75 40	...	9	
Total ..	90 41	261 37	...	4 12	75 40	2,054	8,086	

I do not think it necessary to give in the Annual Report the detail Division by Division of the boundary work done.

Demarcation work may be divided into that on new forests, that on the improvement of forests already acquired, and that which takes the form of maintenance and repair of existing work.

The quality of the demarcation is again superior for reserved and protected forests; for it is often inexpedient to spend much on the demarcation of unclassed forests which may at any moment be given up.

The increase to our returns in the form of forests newly acquired has this year been mainly in Bashahr for reserves, and in Kohát for protected forests. In Bashahr it has been transfers from unclassed forests, which account for the increase. And in Kohát the increase has been in District forests, which have only been brought on to our books because they are Protected forests under the Act. The Forest Department has no concern with their management or demarcation.

The boundary work of the year has therefore taken the form mainly of improvement of established boundaries by the erection of pillars intermediate to those already existing.

In Bashahr, Kángra, and Kulu, this improvement of boundaries has kept pace with the Survey operations being carried out in those Districts. While in Ráwalpindi, in Chamba, and in Multan the work is in continuation of the improvement which has been going on for the last few years.

The remainder of the boundary work has consisted only in maintenance and repair of existing boundaries.

CHAPTER II.—SURVEYS, WORKING PLANS AND ANNUAL PLANS OF OPERATIONS.

1.—Surveys.

Work of the year

7. *The Imperial Survey Department* were engaged in Kángra and Kulu. In the former Division they were chiefly at work in the Dera Tahsíl, where a large number of reserves are situated, and in the latter in Kulu, Rúpi, and Seoráj.

In the Kulu Division, partly from the introduction of the Survey before the demarcation was complete, and partly owing to the delay that has occurred in the passing of orders on the Kulu Forest Settlement, rendering it uncertain whether the proposed boundaries would be accepted or not, some of the boundaries surveyed are not strictly in accordance with those described by Mr. Anderson. This matter is receiving attention, and either the survey or some of Mr. Anderson's descriptions will require a slight revision.

The Imperial Forest Survey Branch recommenced work, under the immediate supervision of Mr. Reynolds, from the end of April, and by the end of September 472 square miles were triangulated and 611 square miles topographically surveyed. This work is reported to have been somewhat retarded by the unusual amount of rain which fell in August.

During the year the Land Revenue Survey was in progress in the Jhelum, Lahore and Chenáb Divisions. In the first of these, the unclassed forests of the Khusháb Range, Shahpur District, are reported to have been re-measured and new maps made. In the second, only one reserve in the Amritsar District was affected. And in the third (Chenáb Division) the surveys of various reserves and unclassed forests in the Gujránwála and Gujrát Districts were completed. In the survey in progress in the Bhera Tahsíl of the Shahpur District, all the rakhs except 9 have been finished.

Departmental work.

8. Departmental Surveys were insignificant. Two reserves in the Lahore Division were mapped, and a plot of 26 acres returned to us out of the Chalána Reserve, which was made over to the Bakloh Cantonment for management, was surveyed.

Maps.

9. Original, or first copies, of Sheets Nos. 310^{NE}_{182}, $\frac{NE}{4}$, Nos. 232 $\frac{NW}{1}$, $\frac{NW}{2}$ $\frac{NW}{3}$, $\frac{NW}{4}$ and Nos. 332 $\frac{SW}{1}$, $\frac{SW}{3}$ of the Kulu Division, on a scale of 4″ = 1 mile were received from the *Imperial Survey Department* during the year; and 1 copy of the Index Map to the Bashahr Forest Survey, as well as Sheet No. 332 $\frac{NW}{3}$ of Bashahr were obtained from the *Forest Survey Branch.*

The latter branch provided 300 copies of the Skeleton Map of the Punjab, showing forest areas as they stood on the 31st March 1891, 1 copy of the Pangi Map, 40 copies of the Banikhet, Surkhigalli, Dádra, and Kálátop Forests, and 50 copies of maps of other parts of Chamba territory, for record.

2.—Working Plans.

Work done during the year.

10. The Working Plans party was in charge of Mr. Lace, Deputy Conservator of Forests during the year. Up to September all the 1st and 2nd class deodar and 1st class blue pine trees had been enumerated in the Pandrábis, Kilba, and Taranda Ranges. Owing to the heavy rains in those two months, the party was occupied in collecting data in some of the Kanáwar Forests. In October and November tree counting in the Neogli Range was resumed and during the season the following trees were counted:—

1st	class	deodár	...	...	36,740	57,791
2nd	„	„	...	...	21,051	
1st	„	blue pine	...	...	3,264	3,264

Towards the close of the year, the officer in charge of the Working Plans Branch submitted preliminary proposals on the Working Plan of Bashahr, and from 30th November to the end of the year he had charge of the Bashahr Division in addition to his duties as Working Plans Officer.

Nothing was done during the year under review to the Kalesar Working Plan, but it has been taken up again since the close of the year.

Working Plans prepared, but not yet sanctioned.

11. The Pangi Working Plan was approved in its technical points by the Inspector-General of Forests in his No. 89, dated 5th May 1892.

The Kotguru and Kotkhai Working Plan submitted to the Deputy Commissioner, Simla, in May 1890, is still under that officer's consideration.

Other Working Plans.

12. The uncertainties as to boundaries and settlements in the Simla Municipal Forests still retard the final preparation of a Working Plan for those Forests.

Deviations from sanctioned Plans.

13. The orders which prescribed the nature of deviations requiring the sanction of the Local Government and those which might be directed by the Conservator were contained in Government of India No. 675 of the 11th June 1891.

Control Books.

14. The progress made in the collection of data for the preparation of Control Books, and to assist the Working Plans Branch, has been considerable.

3.—Annual Plans of Operations.

General.

15. The provisions of annual plans of operations have, in all important points, been adhered to.

CHAPTER III.—PROTECTION AND IMPROVEMENT.

1.—Establishment.

Changes in Controlling Staff.

16. The reorganisation introduced on the 29th December 1891 has left the Punjab exactly where it was before in the number of officers available for work.

Formerly, from a total sanctioned strength of 19 officers, we had to deduct 1 for Biluchistán, 1 for Forest Surveys, and 1 Conservator, leaving 16 officers as nominally available for the Punjab work. But again this number had to be reduced by 1 officer lent as Assistant Inspector-General of Forests, and 1 lent to Burma.

Thus for the 14 local charges, and to meet all cases of furlough and further deputation, whether within or without the Province, there were actually available 14 officers and 4 Sub-Assistants. Total 18.

Under the present scale of 15 officers we must deduct 1 Conservator and 1 officer for Biluchistán, leaving 13 superior officers for the 14 local charges for absence on furlough, and for deputation.

To this must be added 7 Extra Assistants, making 20 officers nominally available for everything.

As, however, 2 posts of Extra Assistant Conservator have not yet been filled up, we have 18 officers available for all purposes, or the same number as before. But the loss of one officer of the superior staff is severely felt, and we have had to amalgamate two charges, *viz.*, the Simla Hill States and the Ambala Division, under one officer. Shortly after the close of the financial year a permanent vacancy was caused by the promotion of Mr. Wild to a Conservatorship and his transfer from the Punjab.

Subordinate Establishment

17. The proposals for the reorganisation of the Executive and Protective Establishment, adverted to in the last clause of para. 20 of last year's report, are still before the Government of India. When orders are passed on these proposals it will be necessary to represent the necessity of increasing and improving the Clerical Establishment.

As regards the report annually required on the executive non-commissioned officers in the Department, for the last three years I have had little favourable to them to chronicle, and I am still of the opinion expressed in para. 14 of the annual Report for 1888-89. I think we have now sufficient experience of this class of men to make these special reports unnecessary.

2.—General Protection and Breaches of Forest Laws.

Forest Offences.

18. A comparison of the number and nature of Forest cases instituted during the year under report, with similar information for 1890-91 is given in the following statement:—

Nature of Offences.	Number.		Increase	Decrease
	1890-91.	1891-92	In 1891-92	
Injury to forests by fire	162	64	...	98
Unauthorized felling, etc.	584	774	190	...
Grazing without permission	356	335	...	21
Other offences	109	142	33	...
Total	1,211	1,315	223	119

The result gives a net increase of 104 cases as against an increase of 105 cases last year, but is only 25 more than the average of the past five years.

The decrease in the number of fire cases has occurred chiefly in Hazára with 21 less, Ráwalpindi with 29 less, and Bashahr with 44 less. That in Hazára is attributed to fewer cases having been taken up by the Deputy Commissioner, and that in Ráwalpindi is probably due to a reaction after the heavy fires of the previous year; while in Bashahr it is accounted for by the heavy and late snowfall, and the Departmental measures taken to supervise the firing of the grass lands.

There has been an increase of 190 cases of unauthorized fellings, chiefly in the Hazára, Kulu, Bashahr, and Simla Hill Tracts Divisions, with 53, 46, 58, and 29 cases, respectively.

"Other offences" are accountable for 142 cases, the nature of which is explained as follows:—

Rescue of cattle	27
Illicit cultivation	35
Against river rules	24
Assault on Forest officials	11
Shooting without license	9
Miscellaneous	36
Total ...	142

The cases of forcible release of cattle have decreased from 37 to 27, while those of illicit cultivation have increased by 12. This increase has chiefly occurred in Bashahr, where more cases of Korali cultivation came to light in the Pabar and Neogli Ranges.

Illicit grazing has decreased by 21 cases. This class of offence has not fluctuated much during the last three years. The Chenáb Division, however, shows a steady increase, the figures of the last three years being 51, 96, and 108, respectively. The majority of these cases occur in the Phálian Tahsíl of the Gujrát District, and the cause attributed is the same as that given last year, *viz.*, the non-deterrent effect of the light punishments awarded.

Out of 1,196 Forest cases taken into Court during the year, convictions were obtained in 931, bringing the percentage of convictions up to 77·8, or 2·5 higher than the average of the past 5 years.

The highest percentages, 94·5 and 92, were obtained in the Chamba and Multan Divisions, and the lowest, 48, in the Chenáb Division. In the latter Division the percentage of convictions in the Gujrát District is only 47, while in the rest of the Division it is 56.

In the Bashahr Division there are 20 more pending cases than last year. The non-disposal of a large number, which occurred in the winter, is partly due to the absence of the Tika Sáhib from Rámpur; and the difficulty of bringing offenders to Court at that time of year is always great. The matter has, however, been referred to the Superintendent of Hill States, and continues to receive attention.

Cases compounded.

19. The following statement exhibits for the years 1890-91 and 1891-92 the action taken under section 67 of the Forest Act, and the results of that action :—

Division.	1890-91.	1891-92.				Average amount of compensation per case.			Number of persons implicated.	Average per head.		
	Number of offences.	Number of offences.	Amount for which compounded.									
			Rs.	a.	p.	Rs.	a.	p.		Rs.	a.	p.
Ráwalpindi	622	191	578	2	6	3	0	5	271	2	2	2
Jhelum	237	382	862	5	0	2	4	0	527	1	10	2
Chenáb	25	48	145	12	0	3	0	7	96	1	8	3
Lahore	15	9	31	14	0	3	8	8	10	3	8	0
Multan	10	15	12	12	0	0	13	7	20	0	10	2
Direction Division, Simla Hill Tracts.	...	3	17	0	0	5	10	8	6	2	13	4
Total ...	909	648	1,647	13	6	2	8	8	930	1	12	4

The great decrease in the number of cases compounded in the Ráwalpindi Division is due to the Divisional Officer, Lála Jawála Pershád, having discontinued the former practice of accepting compensation in cases investigated and reported by Rangers, as well as those personally conducted by himself. There seems no reason for the change in the former practice, which was conducted with the knowledge and approval of the Deputy Commissioner.

In the Jhelum Division the increase is attributed to the scarcity of fodder; most of the cases were of illicit grazing.

The Conservator's Office Inspection reports show no indication of the powers conferred on Divisional Officers in this direction having been anything but judiciously exercised.

Cattle trespass.

20. Appendix A shows the number of cattle impounded. It will be seen that 1,613 more cattle have been impounded this year than last. The increase has been in the Ráwalpindi, Jhelum, Chenáb, and Simla Hill Tracts Divisions, while there has been a slight decrease in all the others. The most noticeable increases have been in Jhelum and Chenáb, with excesses of 1,130 and 1,318, respectively, over 1890-91. In Jhelum the number is just 50 per cent. greater than last year, and this may be attributed to the same cause as that given for the excess in cases compounded. In the Chenáb Division the increase chiefly took place in the Phálian Tahsíl of the Gujrát District, where the difficulty of getting convictions in Forest cases has already been alluded to.

3.—Forest Fires.

21. As was done last year, the prescribed fire form (Form 51) is supplemented by the following statements :—

Results of the year.

Abstract showing areas (in acres) burnt and unburnt.

	Reserves.	Protected forests.	Unclassed State forests.	Total.	Grand Total.	Percentage of area involved.	Percentage of entire area.
Areas of which the protection was attempted, but which were burnt (Form No. 51)	20,964	...	2,630	23,594	...	12·42	·60
Other areas burnt	11,020	1,513	14,081	27,514	...	76	·71
Total areas burnt ...	32,884	1,513	16,711	51,108	51,108	...	1·31
Areas successfully protected (Form No. 51)	1,08,254	...	58,068	1.66,322	...	87·58	4·28
Other areas which escaped burning ...	9,56,304	2,22,352	24,04,926	35,83,582	...	99·24	92·24
Total areas unburnt ...	10,64,558	2,22,352	24,62,994	37,49,904	37,49,904	...	96·52
Areas on the books but not under the management of the Forest Department	* 134	† 84,142	..	84,276	84,276	...	2·17
Grand Total area of Forests of all classes (Form No. 49)	10,97,576	3,08,007	24,79,705	38,85,288	38,85,288	...	100·00

* Bakloh. † Kohát District.

Number of fires and areas burnt in each Division.

Divisions.	Number of fires.		Areas burnt in acres.					
			1890-91.			1891-92.		
	1890-91.	1891-92.	Specially protected (Form 51).	Other areas.	Total.	Specially protected (Form 51).	Other areas.	Total.
Hazára	1	69	...	...	...	19,030	1,269	20,299
Ráwalpindi	5	43	814	20	834	684	6,031	6,715
Chamba	1	14	...	...		23	325	348
Kángra	...	17	...	...	...	1,114	215	1,329
Kulu	17	68	...	425	425	1,890	8,406	10,296
Bashahr	16	22	...	7,211	7,211	30	3,551	3,581
Jhelum	1	...	...	3	3	...	...	...
Chenáb	3	5	...	31	31	...	171	171
Lahore	14	21	...	144	144	...	957	957
Multan	4	15	648	...	648	783	965	1,748
Montgomery	1	4	225	...	225	37	52	89
Ambala	4	10	...	7	7	3	5,460	5,463
Simla Hill Tracts	...	6	...	...	...	...	112	112
Total	67	294	1,687	7,841	9,528	23,594	27,514	51,108

There has again been a further decrease in the area attempted to be protected, the extent of decrease being 37,197 acres.

The chief decreases have been in Ráwalpindi of 54,426 acres, and Multan of 17,480. In the former Division it was thought that the measures usually adopted and the money provided were either too much or too little as a guarantee against fire; they were insufficient, for the expense of guarantee would have been enormous; they were too much, as no complete assurance against fire was possible and money was being uselessly expended.

While I cannot accept Mr. Forrest's reasoning, it is a fact that only 684 acres of so-called specially protected forest were burnt, while in the neighbouring district of Hazára fires raged over 19,030 acres of the protected area.

In Multan the reduction was due to the curtailment of the protected areas to dimensions, which the fire guards could effectively patrol.

The chief increase occurred in Hazára, where 34,057 acres were added to last year's attempts.

Apparently the Divisional Officer must have gone back to the views which prevailed before 1890-91 (see the remarks in para. 24 of last year's report). The plan of operations contemplated little more than the repetition of last year's work.

There is not much use in a country like Hazára in attempting the protection of 36,695 acres with an expenditure of Rs. 146, and calling it specially protected. Such a course only serves to render the returns untrustworthy. If the attempted areas escaped fire it would certainly not be due to the "special measures."

There has been a very great increase in both the number and extent of the fires. Of the specially protected area 23,594 acres were burnt, of which 19,030 were in Hazára. In Kulu and Kángra the very dry season accounted for larger areas than usual being burnt; but it is difficult to account for the large extent of the Hazára conflagrations, for the season was equally unfavorable to the neighbouring district of Ráwalpindi, where only about one square mile was burnt and where also equally little outlay was incurred.

All except trifling cases were referred to the Deputy Commissioner for action under the Hazára Regulation.

No reports of the results of the prosecutions in cases of fires of the season have yet been received. Of the total number of 69 cases which have occurred since 15th June 1891, 5 cases of fires of the end of the season of 1891 were punished with fines amounting to Rs. 348 under Article 28 of the Hazára Regulation.

General remarks.

22. I have nothing to add to that which has been written on the subject of Forest fires. I expressed my views in my Report of 1889-90, and I have no reason to change them. As usual almost all the Hazára fires have been due to deliberate incendiarism.

4.—Grazing and Fencing.

General remarks on grazing.

23. The following statement shows the areas available for the regulation of grazing by the Department during the past four years and the areas entirely or partially closed during that period:—

	1888-89.		1889-90.		1890-91.		1891-92.	
Area available in square miles ...	5,935		5,972		5,964		5,939*	
	Closed		Closed		Closed		Closed	
	Entirely.	Partially.	Entirely.	Partially.	Entirely.	Partially.	Entirely.	Partially.
	818	748	814	868	885	866	848	894
Total area affected in square miles ...	1,566		1,682		1,751		1,742	
Percentage closed ...	26·2		28·1		29·3		29·3	

* This does not include 131 square miles in Kohát district which are under the management of District authorities.

It will be seen that there has been material progress made in the matter of closing and that the percentage of the available area closed at the end of this year was 3·1 greater than it was four years ago.

It will also be observed that though the area partially closed has been greater in 1891-92 than it was in 1890-91, there has been a slight decrease in the area entirely closed. This is due to many reasons, chiefly a correction of the grazing statement of last year in the Multan Division; the throwing open of areas about to be colonized in the Chenáb Division; reduction of areas in Bashahr Division by the survey, and the great drought which necessitated certain areas entirely closed being opened for a part of the year.

The usual tabular statement showing details by Divisions is given below.

The newly protected Forests of Khwárra and Zíra are included in column I to make the total Forest area agree with that shown in Form 49, but these areas have been excluded in calculating percentages, as their management is not under the Forest Department.

In Kulu the areas shown as partially grazed over are grazed to a very slight extent only, and this is also true of much of the area in all hill Divisions shown as open to grazing without restriction.

Further satisfactory reports are received from Jhelum of the appreciation on the part of the zamíndárs of the benefits arising from strict closure against grazing. Reserve Bugga, 3,742 acres, was closed at the united request of the neighbouring villages, and a similar request has been made for the closure of Lamarkand Reserve, the area of which is 9,203 acres.

The beneficial results of closing to grazing are also becoming recognised amongst the inhabitants of the Murree and Kahúta Tahsíls of the Ráwalpindi District.

The practice of partial closing in the Lahore Division, which consists in closing up to the rains and then opening, resulted in a good crop of grass and the realization of the highest grazing revenue of the past 9 years (Rs. 49,572 as compared with 38,888 last year). Another practical proof of the appreciation by the people of the improved quality of grazing after temporary closure comes from Kángra, where Gaddís offer as much for one month's grazing in the reserves as is paid for six months in the unclassed (and unclosed) forests.

DIVISIONS.	I.			II.			III.			IV.			V.			VI.			VII.			VIII.			IX.			X.			XI.		
	Total area of the Division.			AREAS CLOSED OR PARTIALLY																											Area open to grazing without restriction.		
				Closed to all animals throughout the year.			Closed to all animals for a part of the year, but open to all animals for the remainder of the year.			*Closed to browsers (only) throughout the year.* Closed to all other animals for a part of the year only.			*Closed to browsers (only) throughout the year.* Open to all other animals throughout the year.			*Closed to camels (only) throughout the year.* Closed to all other animals for a part of the year only.			*Closed to camels (only) throughout the year.* Open to all other animals throughout the year.			*Closed to browsers (only) for a part of the year.* Closed to all other animals throughout the year.			*Closed to browsers (only) for a part of the year.* Open to all other animals throughout the year.			Total area affected.					
	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.
Hazára	236	...	...	142	...	...	...	...	...	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	165	...	..	71	...	...
Ráwalpindi	345	68	244	216	...	...	...	...	...	18	...	...	29	67	...	..	...	..	62	...	...	...	...	...	...	1	...	325	68	...	20	...	244
Chamba	159	...	14	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	147	...	14
Kángra	55	...	591	48	...	5	5	...	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	55	...	7	...	...	584
Kulu	...	...	1,157	...	...	32	...	...	1	...	...	2	...	...	3	...	..	...	...	...	...	...	...	14	.	...	8	...	...	60	..	...	1,097
Bashahr	184	...	210	55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55	...	...	129	...	210
Jhelum	302	...	208	166	...	...	...	...	...	...	...	...	8	...	28	...	...	...	...	...	...	...	...	...	...	...	...	174	...	28	128	..	180
Chenáb	135	282	235	17	...	1	...	...	20	12	...	27	106	...	24	...	...	...	...	...	...	...	...	...	...	...	...	135	...	72	...	282	163
Lahore	43	...	296	18	...	3	...	...	...	14	...	67	10	...	109	...	...	...	...	...	...	...	...	...	...	..	...	42	...	179	1	...	117
Multan	124	...	160	58	...	6	2	...	...	56	...	7	8	...	87	...	...	...	...	...	...	...	...	...	..	...	...	124	...	100	...	...	60
Montgomery	100	...	758	52	...	...	...	...	...	48	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	100	...	8	...	...	750
Ambala	19	...	1	14	...	1	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	...	1	...	...	...
Simla Hill Tracts	13	...	..	2	...	...	...	...	...	...	...	...	11	...	...	...	..	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...
Khwárra and Zira Forests* ...	...	131	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	*131	...
Total square miles ...	1,715	481	3,874	800	...	48	7	...	23	176	...	103	172	67	259	2	...	...	62	...	...	...	...	14	...	1	8	1,219	68	455	496	413	3,419
	6,070			848			30			279			498			2			62			14			9			1,742			4,328		
Total for 1890-91, square miles...	1,694	354	3,916	803	..	82	7	...	23	216	...	133	121	93	186	2	...	...	62	...	...	...	...	14	...	1	8	1,211	94	446	483	260	3,470
	5 964			885			30			349			400			2			62			14			9			1,751			4,213		

* Not under Forest management therefore included under Col. XI but see Punjab Government Gazette Notification Nos. 31 and 32, dated 28th January 1890. Excluded in calculating percentages.

24. Little new fencing work was done during the year, operations being chiefly confined to the repair of existing fences.

Fencing.

In Chamba 7·4 miles of fence were put in order for Rs. 168.

The wire fencing round closed areas in upper Kulu, Rupi and Outer Seoráj was repaired for Rs. 136, while nearly 2 miles of fencing in Bashahr was repaired for Rs. 137.

5.—Natural Reproduction.

25. Not much observation on the vexed question of natural reproduction of the Silver Fir is forthcoming this year for record. The selected areas referred to in last year's report were far too small. To establish the question of the persistence of the seedlings, plots of two feet radius are not big enough. If such plots contain one or two seedlings which persist, this number is sufficient for that area. If they are overcrowded and contain 100 seedlings the experiment is unfair, for it is the percentage of deaths out of a sufficiency which we desire to know, not that out of an excess. I am inclined to think that the dense layer of fir needles under these forests prevents the young seedlings penetrating to, and establishing themselves in, the ground before the hot-weather. It may be worth while making experiments in clearing this matted layer of fir needles in lines over a selected area of the forest.

Hazára

The reports are just the same as those of last year, with the addition of mention of damage by locusts, and of a very dry year.

Ráwalpindi.

The Divisional Officer's reports are not so favourable to a satisfactory condition of natural reproduction of deodár. His report does not confirm the opinion of the last few years of the satisfactory condition of natural reproduction of deodár except in Pangi, where, he believes, it may be described as good, and he thinks the damage done by grazing has been somewhat exaggerated. His Highness the Rája of Chamba, under a misapprehension of his powers under the lease, had included, in his leases of the pastures of Chamba to Gaddís and Gújars, the grazing of the deodár forests leased to the British Government. The matter had to be referred, and the Punjab Government were compelled to point out the mistaken view taken by the Rája, and insist on the leased forests being excluded from his general grazing leases. The trouble complained of has now entirely ceased. The year has again been a bad one for deodár seed.

Chamba

The reports from Kángra are the same in tenour as those of the last two years. In bamboo forests, fire protection and closing will, it is feared, favour the inferior hardwood trees at the expense of the bamboo, unless the latter is artificially assisted.

Kángra.

As in Chamba the year has been a bad one for the deodár seed-fall. The Divisional Officer is not yet very familiar with deodár forests, but he complains strongly of the damage done by excessive grazing in certain localities. While the area of the grazing lands remains constant, he points to the danger of this burden of grazing on the forests in the near future, and quotes the increase in the number of cattle owned in Kulu as 13 per cent. from 1885 to 1891.

Kulu.

Nothing of interest is reported from Bashahr except that, as everywhere else in the Punjab Himalayás, the seed year was a bad one and the rainfall scanty.

Bashahr.

It is with great regret that the Divisional Officer reports the total destruction of all the natural reproduction observed in the previous year, under the combined influences of a formidable invasion of locusts and a year of unprecedented drought. The locusts remained in the Division for four and a half months and ate up every green thing; mature trees even, as well as all young growth suffered, and injured crowns and a universal deficiency of foliage are now everywhere to be seen.

Jhelum.

In the remaining plains Divisions the reports are mere repetitions of what has been said many times before. When there is moisture, whether from

good rainfall or from flooding from the great rivers, and where grazing has been absent or well regulated, reproduction is not unfavourable.

In Changa Manga, the new irrigation improvements have made considerable progress, and had it not been for the excessively dry season much benefit would have been conferred on the plantation.

In Multan the Divisional Officer attributes the decay of root-suckers to the natural habit of the Jhand. This natural habit is to develop a strong root system vertically downwards towards moisture : when there is moisture on the surface the root system is developed laterally. But root-suckers can only form separate individuals when their own root system reaches the moisture-bearing strata. The time this takes is long, probably ten years at least. Until that time the sucker is dependent on the parent, and being remoter from the source of supply than the coppice shoot can never flourish to the same degree. If the sucker fails to establish its own root system, it must decay and die.

Ambala.

Natural reproduction in the protected area of the Kalesar Sal forest cannot be said to be bad, considering that Sal is here at its extreme north-western limit. But the effects of fire are most disastrous. The comparison between the small portion saved in the great fire of 1890 and the remainder of the protected area is most marked. Dead coppice shoots and seedlings of all sizes, up to 20 and 25 high, are seen in numbers all over the burnt area, and thee xcellence of the unburnt portion is in comparison most striking.

The coppice reproduction in the portion worked over in strip fellings eight years ago is very good, notwithstanding that it has been twice burnt. Here, again, the traces of the last fire only serve to bring out the really excellent character of the reproduction of the forest. One sees what the forest is capable of in the way of natural reproduction under strip fellings for coppice, if only fires could be kept out.

6.—Artificial Reproduction.

General remarks.

26. The gross area operated on under the heads of "Regular plantation" and "Cultural operations" amounted to 21,005 acres at the beginning of the year.

I think it is somewhat misleading to continue to quote such large figures year after year when reporting upon artificial reproduction. The area includes Changa Manga, which can hardly still be called a plantation. The only thing artificial about it is the irrigation. But it is to all intents and purposes a forest, and its area ought to be struck out of our Form 52. Much of the expenditure is even now charged to "Plantations," when the actual work done is just as much of the nature of maintenance and exploitation as in unirrigated forests.

So, also, should the plantation called Sháhdara be treated as and called a forest. There has been nothing artificial about it since it was first put down ; and its irrigation is just as natural as that of all forests on *sailába* land.

The deduction of these two so-called plantations would at once reduce the area in Form 52 by nearly one-half; and there are several more of these so-called plantations which should be removed from our registers as forests.

There is also another class of so-called plantation which has no business to find place in Form 52. I refer to plantations such as the Lee and Manáli gardens in Kulu and the Sholtu garden in Bashahr. These plots are experimental gardens and orchards of fruit trees, and not forest plantations. Sholtu is on a dry boulder bed on the banks of the Sutlej requiring constant irrigation. The expenses of the year on its acreage of 6 acres amounted to Rs. 501, including Rs. 160 for digging up about half the area, and Rs. 132 on the water-course which irrigates it. The revenue realised was from the sale of millet and potatoes.

Form 52 shows that 729 new acres were operated upon, and that 733 acres were struck off during the year as failures.

Of these 729 acres newly planted, 389 are under cultural operations and 340 under regular plantations.

The expenditure against these two are, respectively, Rs. 3,577 and Rs. 49,487. This latter figure includes all the charges on the whole of Changa Manga, that is Rs. 47,261 against new Changa Manga plantation work of 14 acres.

As a matter of fact, of the outlay on Changa Manga Rs. 29,760 were for the new irrigation, Rs. 13,800 were for the water-rate over the whole plantation, leaving Rs. 3,701 for the upkeep and maintenance of the irrigation of an irrigated area of 9,080 acres.

Regular Plantations.

27. If we take the actual area of regular plantations operated upon, after eliminating Changa Manga and Shâhdara, there remain 316 acres of Dagshai and Subáthu planted up at a cost of Rs. 1,310, or an outlay of Rs. 4·1 per acre of real new regular plantation work.

It may have been supposed that the Subáthu and Dagshai plantations are well nigh failures, and that the expenditure on them has been excessive. Actually they have cost since their commencement as shown in the following table:—

Year.	Acreage attempted.	Expenditure during year.	Remarks.
	Dagshai.	Rs.	
1878-79 to 1885-86 ...	*Nil.*	*Nil.*	
1886-87 ...	189	3,632	
1887-88 ...	219	3,535	
1888-89 ...	360	2,855	
1889-90 ...	348	1,791	
1890-91 ...	300	1,221	
1891-92 ...	254	976	
Total cost of Dagshai plantation.	...	14,010	
	Subathu.		
1878-79 ...	...	297	Nursery sowing started.
1879-80 ...	237	2,271	
1880-81 ...	...	1,721	
1881-82 ...	20	2,813	
1882-83 ...	88	1,907	
1883-84 ...	20	1,610	
1884-85 ...	57	1,870	
1885-86 ...	...	391	
1886-87 ...	95	646	
1887-88 ...	38	363	
1888-89 ...	65	192	
1889-90 ...	45	258	
1890-91 ...	49	321	
1891-92 ...	62	192	
Total cost of Subáthu plantation.	...	14,852	

The system adopted in both plantations is identical. At the commencement large areas are planted up. The losses are very great, especially in Dagshai; and during all the rains, and to a less extent in the winter there is a constant process of filling up blanks from the nurseries going on. The area reported as "failure" is only an estimate. It is really that over which this process of filling up blanks has passed, and includes repairs in the older as well as in the younger compartments. Ultimately almost every pit contains an established plant, and the plantation, as a whole, may be considered complete. The process took about six years in Subáthu, and may take a little longer in Dagshai. If Dagshai ultimately costs Rs. 50 per acre I shall not consider the cost excessive under the circumstances of the difficulties of plantation work at that elevation and under that exposure. Subáthu is already far more than self-supporting, and its established plantation, by reason of the protection afforded, will tend to assure its grass revenues. The same is to be expected of Dagshai, only the process is a little longer and the cost somewhat higher, but neither scheme has been financially ill-considered.

The Subáthu plantation was commenced in 1878-79, and was practically established in 1884-85. Since then the charges have been for a certain amount of filling up of blanks and for special temporary establishment.

From 1885-86 onwards the plantation should have passed out of Form 52 as forest, and the charges considered as pure maintenance charges of forest, with due consideration of the revenue received on the other side. The actual cost of establishing the plantation has been under Rs. 40 per acre. The difference between the revenue and the expenditure since 1885-86 shows a not inconsiderable surplus which may be looked upon as the interest on the capital, some Rs. 12,500, sunk on establishing the plantation.

The Dagshai plantation was commenced in 1886-87 under far greater difficulties than were encountered with Subáthu.

Subáthu is low and well sheltered by the Kasauli hill. Dagshai is much exposed to weather on all sides, but is now not far from being considered established.

28. As for the 389 acres of cultural operations, I make the following remarks:—

Cultural operations.

In Hazára 12 acres were attempted at a cost of Rs. 168 or Rs. 14 per acre, and 11 acres were struck off as failures.

In Ráwalpindi owing to want of seed, the prescriptions of the Working Plan of the Murree and Kahúta forests, as to nurseries being established in the Patriata and Masot forests, could not be carried out.

In Chamba the work proposed for the year has been fairly well acted up to. The Divisional Officer points out that many of the areas in Form 52 require correction; many plantations retain the acreage originally given them years ago, while the number of deodár plants now alive, and the acreage of actual established plantation, have been steadily decreasing ever since: the fact of many of these areas consisting, in addition, of numerous scattered patches, renders the task of correction of estimated area more difficult.

The Working Plan *prescribes* a certain area of plantation work to be done within ten years. The area suitable for such work was either favourably or unfavourably situated. The former class was attempted first, and a fair amount of success was met with. When the latter sites had to be operated on, and they are usually in the more exposed situations or covered with a thick crop of undergrowth, the success has been very poor. In certain cases where this undergrowth had been cut down, it grew up again more vigorously than ever, and completely choked out the plantation formed on the clearing. In future, therefore, we may expect an increased outlay and a poorer result. Under these circumstances it is a pity that the instructions regarding plantation work in the Working Plan have taken the form of prescriptions. It would have been better had these proposals for plantation been merely recommended and left to circumstances to be carried out or not.

For the whole Division the 75 acres newly operated on cost Rs. 1,210, or Rs. 16 per acre, but individual plantations cost from Rs. 20 to Rs. 25 per acre. These latter are precisely in localities where the plants are choked by the undergrowth, and, notwithstanding the high initial cost, there is every fear that subsequent weeding and replacing will add considerably to the expense.

Kulu.

Many of the older plantations require correction of their areas, according to the extent of actual established plantation; and the cost of particular plantations is undoubtedly very high. There is much that requires looking to in plantation work generally in the Punjab, but it is more the frittering away of small sums year by year on hopeless projects than the want of proper financial consideration of large schemes. There is no doubt also that, as in the case of regular plantations, so also in these cases of cultural operations, many plantations are fully stocked, and should no longer be borne upon the roll of plantations, but be transferred to "Forests." I might instance the Dungri, Manalghan, Danabiál, Sialbiál, Manalgarh plots, as examples of fully stocked forest.

As long as these real forests, but so-called plantations, are retained on the list of plantations, all charges on them such as, for example, the cost of an inspection path, are chargeable to "Plantations;" whereas properly the charge has nothing to do with plantation work. From these causes the apparent cost of plantation work runs up to such figures as Rs. 55 and Rs. 59 per acre of work of the year.

Bashahr.

The remarks made about plantation work in Chamba and Kulu are also applicable to Bashahr, about which there is nothing special to notice.

Chenáb.

Thirty-seven acres were planted with Kikar and Phulai on the usual method; at first every thing went well, but the extraordinary drought of the year renders it doubtful if anything will survive this hot weather.

7.—Early Thinnings, removal of Inferior Species, cutting of Creepers, &c.

Work of the year.

29. Except from Chamba, there is not much to describe about operations of this nature. Mr. McIntire divides his subject according to the working plan into (*a*) operations to lighten the shade to facilitate reproduction; (*b*) cutting out and girdling of inferior species where they interfere with the existing stock. The latter is a comparatively simple operation. The stock of young deodár being in most forests light, there is not much to remove. But it is to be noted that the long suppressed young deodár seedlings thus freed are found to have lost much of their vigour. Many have been noticed which after five and more years after light was thus admitted to them, fail to send up leading shoots or to improve. Much work has, however, been done in this direction during the year; the operations extending over 1,638 acres, and many arrears of the working plan having been caught up. The forest guards are being taught and are learning this work.

To facilitate reproduction of deodár by lightening the shade is a much more difficult and doubtful operation. On a clean soil, under a complete canopy consisting largely of deodár, good reproduction follows the admission of light, and this reproduction will generally establish itself before shrubs and herbaceous plants can injuriously affect it. But this condition is rare. Under the usual kind of mixed crops an undergrowth of shrubs, &c., generally exists, and the admission of light only causes it to assume more vigour, and it is feared more than counterbalances the improvement in the germination and establishment of deodár seedlings.

From six to nine years ago, before the introduction of the working plan, some relatively large areas of mixed crops of the usual description were clear-felled notably in Padri, Bohar, Kainthli and Chatri, and then closed to grazing, with the result that no self-sown deodár established itself, and transplants put out from nurseries have either been already overwhelmed, or are still in great

danger of being overwhelmed without heavy weeding. On a smaller scale the same result follows the cutting out of inferior species.

In Hazára, Bashahr, Kángra and Ráwalpindi something was done in the direction of improvements of this nature, but few observations of utility have been recorded.

In Kángra the Divisional Officer claims much benefit to the bamboos in the Dhamtál Reserves by cutting out the brushwood over 120 acres, where the sale also of the brushwood more than paid the cost of the operation.

8.—Experiments and Exotics.

General remarks.

30. I am much disappointed to find that the introduction of *Albizzia lophanta* and *Robinia pseudo-acacia* has met with such little success in the Punjab. The idea of the introduction of these species was specially valuable. It was hoped that they might establish themselves in our low hill forests, such as Khanpur in Hazára, Kahúta and Kálachitta in Ráwalpindi, the Salt Range in Jhelum, the Pabbi in the Chenáb, Shahpur-Kandi in Gurdáspur and in Hoshiárpur, and the low hill States of the Ambala District. If these plants will not succeed here, there is not much use in continuing the experiments. We do not require them in the higher hills where plenty of other foreign species are known to thrive.

It is in the low hill forests above enumerated, where we require to introduce a new element in the form of a fairly quick growing tree of superior quality which shall flourish; for the local indigenous superior trees, such as phulái and olive certainly do not do more than maintain the very insufficient proportion they already bear in the peuplement. We know now that the *Robinia* is far more delicate than we expected to find it: it succumbs under cold and heat and moisture in excess. The reports from Divisions show poorer results than before. I shall not however abandon the experiment yet. We have much to learn in the way of the nursery treatment required, the season of transplanting, the altitude and the soil most suitable to this species. A large supply has been received since the close of the year, and the results of the treatment given it will be watched with interest.

9.—Communications and Buildings.

Roads, bridges & buildings.

31. The following table shows the distribution of the expenditure under "Roads and bridges" and "Buildings":—

Division.	A VII *a*.—Roads and Bridges.									A VII *b*.—Buildings.								
	New work.			Repairs.			Total.			New work.			Repairs.			Total.		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Hazára	...	...	...	231	0	0	231	0	0	...	...	...	502	0	0	502	0	0
Ráwalpindi	113	0	0	166	0	0	279	0	0	115	0	0	584	0	0	699	0	0
Chamba	3,982	0	0	1,526	0	0	5,508	0	0	750	0	0	694	0	0	1,444	0	0
Kángra	...	...	...	46	0	0	46	0	0	...	...	..	677	0	0	677	0	0
Kulu	45	0	0	19	0	0	64	0	0	161	0	0	193	0	0	354	0	0
Bashahr	918	0	0	860	0	0	1,778	0	0	744	0	0	509	0	0	1,253	0	0
Jhelum	...	..	..	...	...	..	...	..	...	86	0	0	257	0	0	343	0	0
Chenáb	...	...	..	...	...	...	...	...	...	...	...	..	63	0	0	63	0	0
Lahore	...		.	626	0	0	626	0	0	1,930	0	0	51	0	0	1,981	0	0
Multan	5	0	0	6	0	0	11	0	0	75	0	0	214	0	0	289	0	0
Montgomery	...	..	...	...	.	..	...	..	...	55	0	0	18	0	0	73	0	0
Ambala	100	0	0	145	0	0	245	0	0	115	0	0	409	0	0	524	0	0
Direction (Simla Hill Tracts) ...	...	..	...	3	0	0	3	0	0	...	...	..	30	0	0	30	0	0
Total ...	5,163	0	0	3,628	0	0	8,791	0	0	4,031	0	0	4,201	0	0	8,232	0	0

In Chamba the work consisted of 32 miles of new inspection path costing Rs. 3,563, the continuation of the construction of the Bhandal bridge on which Rs. 419 were spent during the year; a new rest-house at Masrund and out-houses and range quarters at Mádhopur.

It must be borne in mind that the continuous expansion of the system of forest roads and houses necessitates a corresponding increase in the cost of maintenance.

In Bashahr 13 miles of new inspection road and two bridges were made, and 120 miles of old road were repaired. Rupees 744 were spent on the Kadrála rest-house and out-houses at Nachar and Tangling.

In the Lahore Division the clearing and up-keep of the large mileage of roads in Changa Manga cost Rs. 571, and the new buildings for beldárs and for the ranger prescribed in the working plan cost Rs. 1,930.

The 20-feet road through the Kalesar Sal Forest received its yearly extension of one mile at a cost of Rs. 60.

CHAPTER IV.—OUTTURN AND WORKING.

Summary of Produce removed from the Forests.

Summary of removals from the forests. (Forms 54 and 55).

32. The following statement compares the total outturn of timber and firewood in cubic feet solid for the last three years:—

	1889-90.	1890-91.	1891-92.
Removed by Government agency	26,06,109	29,55,869	32,44,890
Do. by purchasers	31,97,793	19,40,563	16,45,129
Do. under free grants	7,59,300	1,13,226	8,84,788
Do. by right-holders	2,04,54,259	2,67,13,861	2,55,74,306
Total ...	2,70,17,461	3,17,23,519	3,13,49,113

The decrease this year is due to more correct estimates having been framed in the Ráwalpindi Division of the consumption of firewood by right-holders.

It will be interesting to note here the fluctuations in the prices realized for timber and fuel during the last few years. The following table shows the number of solid cubic feet sold for a rupee during the last six years.

Government Agency.

Year.	Solid cubic feet sold.	Gross price realised.	Number of solid cubic feet sold for one rupee.
		Rs.	
Timber.			
1886-87, 1887-88, 1888 89 ...	21,45,449	14,26,634	1·50
1889-90	7,83,352	4,37,589	1·79
1890-91	4,37,837	2,13,473	2·05
1891-92	8,01,503	4,15,777	1 93
Fuel.			
1886-87, 1887-88, 1888-89 ...	54,79,422	2,60,654	21 00
1889-90	19,95,544	98,226	20 3
1890-91	54,84,989	2,95,195	18 6
1891-92	45,90,435	2,43,115	18·8

PURCHASERS.

Year.	Solid cubic feet sold.	Gross price realized.	Number of solid cubic feet sold for one rupee.
		Rs.	
Timber.			
1886-87, 1887-88, 1888-89 ...	9,42,641	80,790	11·67
1889-90	2,44,304	25,041	9·76
1890-91	2,98,782	22,887	13·05
1891-92	4,85,223	29,336	16·54
Fuel.			
1886-87, 1887-88, 1888-89 ...	1,93,32,788	4,63,112	41·75
1889-90	29,05,973	87,480	33 22
1890-91	16,41,781	41,069	40 00
1891-92	11,59,906	37,138	31·23

It would appear that timber removed both by Government agency and by purchasers has been steadily realizing lower rates during the last six years, while fuel removed by the former agency has lately improved in price owing in all probability to the great expansion of work in the Multan and Montgomery Divisions.

The comparative value of minor produce removed during the last three years is shown in the following statement:—

	1889-90.	1890-91.	1891-92.
	Rs.	Rs.	Rs.
Removed by Government agency	16,759	13,061	13,204
Do. by purchasers	2,08,396	2,29,929	2,28,379
Do. under free grants	2,174	6,801	11,928
Do. by right-holders	2,19,131	2,27,128	2,31,669
Total ...	4,46,460	4,76,919	4,85,180

There has been a slight increase since last year; but it must be remembered that the value of produce consumed by right-holders is arrived at only by estimate and amounts to nearly half the whole consumption.

I.—DEPARTMENTAL OPERATIONS.

General remarks and explanations by Divisions.

33. Departmental operations show an increase of 2,89,021 cubic feet over last year.

In Lahore, Montgomery, and Bashahr there were increases of 3,07,968, 2,28,896 and 1,05,935 cubic feet respectively, and in Chamba there was a decrease compared with last year of 3,18,787 cubic feet.

In Lahore the increase was due to all arrears of exploitation in Changa Manga having been worked off.

In Montgomery the outturn of the unclassed forests in firewood for the railway happened to be greater, and in Bashahr a favourable working year caused an increase in depôt receipts.

In Chamba the arrears on the working plan were worked off last year, making last year's returns abnormally high. This year exploitation has fallen to its normal level, and thus the decrease above quoted is accounted for.

The value of minor produce departmentally removed stands at almost exactly last year's figures

2.—Removal of Produce by Purchasers.

34. The decrease under this system of exploitation amounts to 2,95,434 cubic feet and was due to the local contractor in the Lodhrán Range of the Multan Division having ceased further purchase on completion of his works and to the great scarcity of transport in that district causing contractors to fail in their engagements. The Chenáb Division also contributed to the decrease owing to the complete stoppage of all removals from the Hafizábad Rakhs.

General remarks (Forms 54 and 55) and explanations by Divisions.

In Hazára the demand increased owing to removal and sale of trees cut from the alignment passing through the forests for the Murree water-supply pipes.

In Ráwalpindi the prescriptions of the Murree and Kahúta Working Plan were for less fuel than in the previous year. The disposal of last year's stock on hand caused a slight increase in the sale of timber.

In Kángra the growing scarcity of chíl wood necessitated the closest supervision over the sales of standing trees especially of those to right-holders at reduced rates. Hence only 4,379 trees were sold against 10,473 last year, and the encouragement of the greater use of miscellaneous and hard wood species has resulted in a demand double that of last year.

Kulu reports increased disposals due to the getting rid locally at low rates of the refuse and remains of deodár exploitation.

3.—Free grants of Forest Produce.

35. The large increase under this head comes almost entirely from Bashahr. For reasons then reported the villagers got very little timber last year and the deficiency had to be made up to them this year.

General remarks (Form 54 and 55).

State works in Rámpur also are accountable for a portion of the increase.

4.—Removal of Produce by Right-holders.

36. The decrease in the estimates of timber and fuel given to right-holders comes chiefly from Ráwalpindi where the previous estimates of this form of consumption were reduced.

Timber and firewood.

In Kulu also there was a considerable reduction owing to its having been found impossible to give more than 20 out of 28 "kothís" their usual supply of free timber. It is probable that the deficiency will be made up next year.

5.—Imports.

37. The details of the imports will be found in Appendix B. The following statement compares the figures of the last two years :—

Summary.

Description of timber.	1890-91.	1891-92.	1891-92.	
	Number.	Number.	More number.	Less number.
Deodár logs	16,273	38,916	22,643	...
Pine logs	1,429	1,867	438	...
Sleepers	5,08,494	6,03,228	94,734	...

6.—General.

38. The tramway at Changa Manga is now 3½ miles long, and there passed over it 6,61,490 cubic feet of thick fuel and 1,09,520 cubic feet of thin fuel at a cost of Rs. 1,803.

Tramway.

39. The following statement continues the comparison, in the form given in the provincial annual report for 1890-91, between the growth of sissu on the artificially irrigated land at Changa Manga and that on the *sailába* land of Shahdara :—

Growth of shisham.

Locality.	Area est.	Nature of fellings.	Yield of each class of wood.					Total yield cubic feet solid.	Total average per acre cubic feet solid.	Mean annual production cubic feet solid.	
			Timber.	Fuel under 2" diameter.		Fuel over 2" diameter.					
			Cubic feet solid.	Cubic feet stacked.	Equivalent to cubic feet solid.	Cubic feet stacked.	Equivalent to cubic feet solid.				
Changa Manga ...	652	Clearance-felling, reserving 15 standards per acre.	5,163	1,47,760	23,643	14,24,300	6,13,449	6,41,253	984	55·0	67·5
		Thinnings (previous)	...	62,025	7,443	3,21,238	1,38,132	1,45,575	223	12·5	
Shahdara	75	Clearance-felling, reserving 10 to 20 standards per acre.	137	32,900	3,948	2,01,203	86,517	90,602	1,208	75·5	89·0
		Thinnings (previous)	...	...	...	40,344	17,348	17,348	231	14·4	

The figures of previous thinnings of Shahdara given are, as worked last year, based on the average of the outturn of the whole plantation.

Murree and Kahúta Working Plan.

40. The following statement gives the results of fellings and the amount of work left uncompleted up to the end of the year :—

		Previous to 1891-92.		During 1891-92.		To end of 1891-92.	
		Acres.	Quantity.	Acres.	Quantity.	Acres.	Quantity.
Exploitations provided for.	Selection fellings, Nos. ..	...	3,402	...	1,141	...	4,543
	Fuel cuttings, maunds ...	3,820	2,38,200	1,397	44,300	5 217	2,82,500
	Oak thinnings	632	...	508	...	1,135	...
Actually carried out.	Selection fellings, Nos....	...	*2,907	...	1,613	...	4,520
	Fuel cuttings, maunds ...	*2,735	*1,66,257	1,397	44,300	4,132	2,10,557
	Dak thinnings	*150	5,352	645	*15,526	795	20,878
Yet to be completed.	Selection fellings, Nos....	...	*495	...	...	...	23
	Fuel cuttings, maunds ...	*1,085	67,920	...	...	1,085	67,920
	Dak thinnings	*482	...	200	...	340	...

* Reducing factor adopted is 2 cubic feet stacked=1 maund.

Note.—Corrections in last year's figures are marked by an asterisk.

Forecast of Chamba Working.

41. *Chamba.*—Mr. McIntire in his report has made some very interesting forecasts of the working of the Chamba forests, pointing out that we must inevitably make far less revenue in the future than we have been making during the previous working. This is due to the fact that the trees we have hitherto cut out have been although largely overmature, still trees of very large dimensions giving a considerable volume of wood, while the trees we shall cut in the future will be much smaller, although of course it was as right to cut out the large trees of the past as it will be to cut out the smaller trees of the future.

But the proper way to look at the working of the Chamba forests is this. In the last 10 years, for example, we have spent upwards of 12 lakhs of rupees, and in addition paid over two lakhs and more to the Rája. Now this outlay has been made by Government. Had the Rája incurred it, he must have either taken it from his treasury, in which case it has paid him over 16 per cent. or he must have borrowed it on possibly heavy interest. Therefore it cannot be said that the leasing of his forests to Government has been unprofitable to him. For in addition to securing him a rent roll of over Rs. 20,000 per annum without a penny of outlay on his part, his forest estates have been improved, roads made, plantations established, the cover maintained and more than maintained, and an enormous number of young trees have under our administration taken the place of those we have removed.

In all of our hill forests there are few trees left of the dimensions of those of a past generation of foresters, but on the other hand we are rearing a very much larger number of trees than ever existed before ; and we know that it is not always financially beneficial to leave a tree to attain its largest possible dimensions.

CHAPTER V.—FINANCIAL RESULTS.

General summary.

42. Form 58 for the year shows gross revenue Rs. 10,20,074, gross expenditure Rs. 6,40,274, surplus Rs. 3,79,800. This is more than two lakhs in excess of last year's surplus. The mean surplus of 12 years was in 1888-89 Rs. 2,03,239, of 13 years in 1889-90 Rs. 2,08,824, of 14 years in 1890-91 Rs. 2,06,110, and now of 15 years in 1891-92 Rs. 2,17,689.

Revenue and expenditur (Form 58).

43. The deficiency reported last year under timber was quite made up during this year, the fall of Rs. 2,24,116 being balanced by a rise of Rs. 2,02,304 due to more favourable prices ruling at the commencement of the year clearing off last year's unsold stock in a great measure.

Fuel operations realized Rs. 52,000 less due to there being no reserve stocks as was the case at the beginning of 1890-91, and the grazing revenue is the highest on record exceeding that of 1888-89 by Rs. 6,000.

The receipts on drift work returned to the figures of 1889-90.

Under expenditure there is a decrease both under A and B. The details of increase and decrease will be explained as usual in the budget. It may now be noticed that whereas forest surveys had only cost Rs. 15,134 in the 12 years ending 1888-89, they have cost during the last three years Rs. 43,338. The heavy increase in "plantations" is due to the new irrigation works in Changa Manga.

Financial results (Form 62).

44. An abstract of Form 62 is given as usual to compare operations for the last three years under the three main divisions of forest work :—

	1889-90.		1890-91.		1891-92.	
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Departmental timber operations ...	1,79,680	...	1,49,551	...	3,81,873	...
II.—Other revenue	2,52,026	...	1,95,284	...	2,30,328	...
III.—Protection, &c.	...	1,55,848	...	1,74,009	...	1,82,401
Total	2,75,858	...	1,70,826	...	..	3,79,800

Outstandings of revenue (Form 60).

45. The outstandings of revenue are of no importance except in Montgomery. The Rs. 15,927 outstanding last year have been recovered all but an insignificant item and the new outstandings are on the tirni assessment of the agricultural year which only expires on the 30th September.

Outstandings against contractors and disbursers (Form 61).

46. The amount outstanding against contractors and disbursers remains at about the same figure as last year. The amount is quite safe with the possible exception of a few petty items recoverable by Deputy Commissioners which may have to be written off.

Results of the year's transactions.

47. The following is the result of the year's transactions :—

		Rs.
Add—		
	Cash surplus (Form 58)	3,79,800
	Increased value of stock at depôts (Form 57) ...	2,370
		3,82,170
Deduct—		
	Decrease on outstanding revenue (Form 60) ...	810
	Total in favour of the year ...	3,81,360

Results by Divisions.

48. The following statement shows the results of the year by Divisions after the adjustment of accounts for timber work:—

Divisions.	Revenue.	Expenditure.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
Hazára	75,560	48,515	27,045	...
Ráwalpindi	40,663	17,942	22,721	...
Chamba	2,09,924	1,03,462	1,06,462	...
Kángra	33,128	27,101	6,027	...
Kulu	40,101	29,078	11,023	...
Bashahr	1,20,722	96,983	23,739	...
Jhelum	28,266	18,826	9,440	...
Chenáb	1,06,725	24,937	81,788	...
Lahore	1,10,334	85,843	24,491	...
Multan	71,034	40,278	30,756	...
Montgomery...	1,73,559	71,682	1,01,877	...
Ambala	6,980	17,770	...	10,790
Direction	3,078	57,857	...	54,779
Total	10,20,074	6,40,274	3,79,800	...

CHAPTER VI.—GENERAL.

Locusts.

49. Locusts appeared in the Hazára, Ráwalpindi, Jhelum, Chenáb, Lahore and Ambala Divisions at the commencement of the year and did considerable damage, but they appear to have all died out.

Kotkhai and Kotguru Forests.

50. The revenue of the Kotkhai and Kotguru Forests still continues to be credited to Land Revenue while the expenditure is borne by the Forest Department.

STATEMENTS.

Form No. 49.

AREA OF RESERVED FORESTS, 1891-92.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1891.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Hazara.	Dungagali...	Hazára ...	Dungagali Reserves.	40,714	63·62	...	...	40,714	63 62	
	Kaghan ...	Do. ...	Kághan Reserves.	57,487	89·82	...	..	57,487	89·82	
	Siran ...	Do. ...	Siran Reserves	20,986	32·79	...	...	20,986	32·79	
	Khánpur ...	Do. ...	Khánpur Reserves.	31,786	49·67	...	...	31,786	49·67	
			Total ...	1,50,973	235·90	...	...	1,50,973	235·90	
Rawalpindi.	Ráwalpindi	Ráwalpindi	Ráwalpindi Reserves.	35,577	55·59	...	...	35,577	55·59	
	Kála Chitta	Do. ...	Attock Reserves.	5,479	8·56	...	...	5,479	8·56	
	Fatehjang	Do. ...	Fatehjang Reserves.	15,346	23·97	...	...	15,346	23·97	
	Kahúta ...	Do. ...	Kahúta Reserves.	40,999	64·06	...	...	40,999	64·06	
	Murree ...	Do. ...	Murree Reserves.	30,330	47·39	...	...	30,330	47·39	
	Kála Chitta and Fatehjang.	Do. ...	Kála Chitta Reserves.	93,194	145·62	...	...	93,194	145·62	
			Total ...	2,20,925	345·19	...	...	2,20,925	345·19	
Chamba.	Pangi ...	Chamba ...	Pangi Forests	25,750	40·23	...	...	25,750	40·23	
	Dalhousie...	Do. ...	Kálatop . .	2,602	4·06	...	...	2,602	4·06	
	Do. ...	Do. ...	Káinthli ...	964	1·51	...	...	964	1·51	
	Do. ...	Do. ...	Bakloh ...	643	1·00	...	...	643	1·00	
	Do. ...	Do. ...	Banikhet ...	517	0·81	...	...	517	0·81	
	Bhandal ...	Do. ...	Bhandal Forests.	9,797	15·30	...	...	9,797	15·30	
	Tisa ...	Do. ...	Tisa Forests...	23,834	37·24	..	...	23,834	37·24	
	Barmaur ...	Do. ...	Barmaur Forests.	19,373	30·27	..	...	19,373	30·27	
	Chamba ...	Do. ...	Chamba Forests.	17,975	28·09	...	...	17,975	28·09	
			Total ...	1,01,455	158·51	...	...	1,01,455	158·51	
Kangra.	Dera ...	Hoshiárpur	Dera Reserves	14,913	23·30	...	...	14,913	23·30	
	Do. ...	Kángra ...	Do. ...	11,066	17·29	...	...	11,066	17·29	Punjab Government.
	Beás River	Hoshiárpur / Gurdáspur...	Belás ...	539	0·84	(a) 7	(b) 546	...	...	Notification No.56, dated 3rd February 1892.
	Núrpur .	Kángra ...	Núrpur Reserves.	9,402	14·69	...	...	9,402	14·69	
			Total ...	35,920	56·12	7	546	35,381	55·28	
Bashahr.	Neogli ...	Simla ...	Neogli Reserves	37,020	59·25	(c) 3,824 / (d) 4,034	2,238	43,540	68·03	
	Taranda ...	Do. ...	Taranda „ ...	11,160	17·44	(d) 1,321	493	11,988	18·73	New Reserves added under the lease.
	Kilba ...	Do. ...	Kilba „ ...	6,833	10·68	(d) 692	1,042	6,483	10·13	
	Kailás ...	Do. ...	Kailás „ ...	15,730	24 58	(d) 1,892	3.254	14,368	22·45	
	Chini ...	Do. ...	Chini „ ...	14,050	21·95	(c) 6,135 / (d) 651	4,662	16,174	25·27	
	Pandrábis...	Do. ...	Pandrabis „ ...	11,358	17 75	(c) 7,185	...	18,543	28·97	
	Pabar ...	Do. ...	Pabar, Giri and Rupin Forests.	6,355	9·93	...	...	6,355	9·93	
			Total ...	1,03,406	161·58	25,734	(d)11,689	1,17,451	183·51	

Form No. 49.

AREA OF RESERVED FORESTS, 1891-92—(continued).

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1891.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Jhelum.	Jhelum ...	Jhelum ...	Jhelum Reserves	83,959	131·18	...	...	83,959	131·18	
	River ...	Do. ...	Reserved Belás	1,675	2·61	(e) 10	(e) 10	1,681	2·63	
	Tálagang ...	Do. ...	Tálagang Reserves.	24,671	38·55	...	...	24,671	38·55	
	Chakwál ...	Do. ...	Chakwál Reserves.	14,689	22·95	...	...	14,689	22·95	
	Pind Dádan Khán.	Do. ...	Pind Dádan Khan Reserves.	68,489	107·01	...	...	68,489	107·01	
			Total ...	1,93,483	302·30	10	10	1,93,489	302·32	
Chenab.	Chenáb River	Gujrát ...	Gujrát Reserves	1,753	2·74	(c) 5	(i) 7 (e) 2	1,749	2·73	
	Do. ...	Do. ...	Kathála Plantation.	863	1·34	...	(g) 124 (e) 34 (a) 77	628	0·98	
	Pabbi ...	Do. ...	Pabbi Plantation.	25,185	39·35	(a) 434	(i) 321	25,298	39·53	(i) Punjab Government Notification No. 298, dated 28th August 1891.
	Phálián ...	Do. ...	Phálián Reserves.	20,006	31·26	...	...	20,006	31·26	
	Gujránwála	Gujránwála	Gujránwála Reserves.	876	1·37	(a) 37	(a) 17	896	1·40	
	Chenáb River	Do. ...	Thatta Faqírulla.	1,012	1·58	...	...	1,012	1·58	
	Háfizábád...	Do. ...	Háfizábad Reserves.	36,985	57·79	...	(h) 248 (f) 3	36,734	57·40	(h) Punjab Government Notification No. 104, dated 3rd March 1892.
			Total ...	86,680	135·43	476	833	86,323	134·88	
Lahore.	Chúnián ...	Lahore ...	Changa Manga Plantation Circle.	10,132	15·83	...	...	10,132	15·83	
	...	Do. ...	Changa Manga Rakh Circle.	10,041	15·69	...	...	10,041	15·69	
	Lahore ...	Do. ..	Shahdara Plantation.	1,368	2·14	(a) 32	(e) 3	1,397	2·18	
	Do. ...	Do. ...	Carob Plantation.	23	0·04	...	...	23	0·04	
	Sharakpur	Do. ...	Sádhanwáli Plantation.	349	0·54	...	...	349	0·54	
	...	Do. ...	Jhok Plantation.	2,976	4·65	...	...	2,976	4·65	
	Detached ...	Amritsar ...	Amritsar Reserves.	2,766	4·32	...	...	2,766	4·32	
			Total ...	27,655	43·21	32	3	27,684	43·25	
Multan.	Serai Sidhu	Multan ...	Serai Sidhu Reserves.	42,780	66·84	...	...	42,780	66·84	
	Lodhrán ...	Do. ...	Lodhrán Reserves.	7,728	12·08	...	...	7,728	12·08	
	Mailsi ...	Do. ...	Mailsi Reserves	28,918	45·18	...	...	28,918	45·18	
			Total ...	79,426	124·10	...	...	79,426	124·10	
Montgomery.	Gugera ...	Montgomery	Gugera Reserves.	22,510	35·17	...	...	22,510	35·17	
	Montgomery	Do. ...	Montgomery Reserves.	18,607	29·07	...	...	18,607	29·07	
	Chichawatni	Do. ...	Chichawatni Reserves.	14,618	22·84	...	...	14,618	22·84	
	Pákpattan	Do. ...	New Sohág Reserves.	8,378	13·09	...	...	8,378	13·09	
			Total ...	64,113	100·17	...	...	64,113	100·17	

Form No. 49.

AREA OF RESERVED FORESTS, 1891-92—(concluded).

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1891.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Ambala.	Phillour ...	Jullundur...	Jullundur Plantation.	51	0·07	...	...	51	0·07	
	Do. ..	Do. ...	Phillour Plantation.	220	0·34	...	...	220	0·34	
	Ludhiána...	Ludhiána ...	Ludhiána Plantation.	197	0·31	...	...	197	0·31	
	Do. ...	Ambala ...	Jagádhri Plantation.	201	0·33	...	...	201	0·33	
	Kalesar ...	Do. ...	Kalesar Reserves.	11,570	18·08	...	...	11,570	18·08	
			Total ...	12,239	19·13	...	...	12,239	19·13	
Simla.	...	Simla ...	Kotguru ...	1,454	2·27	...	...	1,454	2 27	
	...	Do. ...	Kotkhái ...	6,663	10·41	...	...	6,663	10·41	
			Total ...	8,117	12·68	...	...	8,117	12·68	
			Grand Total ...	10,84,392	1,694	26,265	13,081	10,97,576	1,715	
			Total for 1890-91 ...	10,84,446	1,694	223	277	10,84,392	1,694	

(*a*). Correction of previous returns owing to re-measurement, &c.
(*b*). Transferred to Unclassed State Forests.
(*c*). Ditto from ditto.
(*d*). Correction of previous returns according to Forest Surveys.
(*e*). By river action.
(*f*). Alienated as grants.
(*g*). By judicial decree.
(*h*). Transferred to Canal Department.
(*i*). By Forest Settlement.

Abstract of changes during the year.

			Acres.
Area at commencement of year			10,84,392
Added—			
By correction of areas	9,100		
„ reservation under the Bashahr lease... ...	17,144		
„ river action	21		
		26,265	
Excluded—			
By transfer to Unclassed State Forests	546		
„ correction of areas	11,783		
„ Forest Settlement	328		
„ river action	49		
„ alienated as grants	3		
„ judicial decree	124		
„ transfer to Canal Department	248		
		13,081	
Net addition ...			13,184
Area at close of year			10,97,576

Form No. 49.

AREA OF PROTECTED FORESTS, 1891-92.

Division.	Range.	Civil District or Territory.	Name of Forest	Area on 1st April 1891.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Rawalpindi.	Murree ...	Ráwalpindi	Murree Protected Forests.	23,179	36·22	(a)1	(b)30	23,150	36 17	(b) Punjab Government Notification No. 232, dated 10th April 1891.
	Kahúta ...	Do. ...	Kahúta „ ...	20,123	31·44	...	(a)9	20,114	31·43	
			Total ...	43,302	67·66	1	39	43,264	67.60	
Chenab.	Háfizábad...	Gujránwála,	Háfizábad Protected Forests,	1,83,318	286·43	(a)3	(c) 2,720	1,80,601	282·19	(c) Punjab Government Notifications Nos. 272 to 277, dated 10th August 1891, and 14 and 62, dated respectively 15th January and 6th February 1892.
			Total ...	1,83,318	286·43	(a)3	(c)2,720	1,80,601	282·19	
	...	Kohát ...	Khwarra ...	...	...	58,881	...	58,881	92 00	Punjab Government Notification No. 30, dated 28th January 1890.
			Zira ...	...	...	25,261	...	25,261	39·47	
			Total ...	...	...	84,142	...	(f) 84,142	131·47	
			Grand Total	2,26,620	354	84,146	2,759	3,08,007	481	
		Grand Total	for 1890-91...	2,29,209	358	...	2,589	2,26,620	354	

a. Correction of previous returns; error discovered in Settlement records.
b. Transferred to Military Department.
c. Correction of previous returns; erroneously excluded last year as grants.
e. Transferred to Canal Department.
f. Joint property of Government and the villagers, but managed by the Civil authorities

Abstract of Changes during the year.

			Acres.
Area at commencement of year			2,26,620
Added—			
By correction of areas	4		
„ Notification	84,142	84,146	
Excluded—			
By transfer to Military Department	30		
„ correction of areas	9		
„ transfer to Canal Department	2,720	2,759	
Net addition			81,387
Area at close of year			3,08,007

Form No. 49.

AREA OF UNCLASSED STATE FORESTS, 1891-92.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1891.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Rawalpindi.	Kahúta ...	Ráwalpindi	Kahúta Range Rakhs undemarcated ...	82,800	129·38	...	...	82,800	129·38	Punjab Government No. 474 S., dated 13th Aug. 1891.
	Murree ...	Do. ...	Murree Range Rakhs undemarcated ...	73,400	114·69	...	...	73,400	114·69	
	Attock ...	Peshawar ...	Jabba Jhíl ...	580	·91	...	(a)580	...	...	
			Total ...	1,56,780	244·98	...	580	1,56,200	244·07	
Chamba.	River ...	Gurdáspur	Gurdáspur Rakhs.	8,882	13·88	...	...	8,882	13·88	
			Total ...	8,882	13·88	...	...	8,882	13·88	
Kangra.	Dera ...	Kángra ...	Dera Range Rakhs ...	2,03,569	318·07	...	...	2,03,569	318·07	
	Do. ...	Hoshiárpur	Hoshiárpur Rakhs ...	82,890	129·51	...	...	82,890	129·51	
	Núrpur ...	Kángra ...	Núrpur Range Rakhs ...	91,463	142·91	...	(b)162	91,301	142·66	
	River ...	Hoshiárpur, Gurdáspur	Belás ...	...	...	(c)546	(d)37	509	0·79	
			Total ...	3,77,922	590·49	546	199	3,78,269	591·03	
Kulu.	Upper Kulu	Kángra ...	Upper Kulu Range ..	71,322	111·44	...	...	71,322	111·44	
	Lower Kulu	Do. ...	Lower Kulu Range ...	25,493	39·83	...	...	25,493	39·83	
	Inner Seoráj	Do. ...	Inner Seoráj Range ...	69,903	109·22	...	...	69,903	109·22	
	Outer Seoráj	Do. ...	Outer Seoráj Range ..	58,550	91·48	...	...	58,550	91·48	
	Wazíri Rupi	Do. ...	Wazíri Rupi Range ...	1,22,777	191·84	...	...	1,22,777	191·84	
	...	Do. ...	Lahoul ...	2,680	4·19	...	...	2,680	4·19	
			Proposed protected undemarcated State Forests	3,90,361	609·94	...	(b) 234	3,90,127	609·57	
			Total ...	7,41,086	1,157·94	...	234	7,40,852	1,157·57	
Bashahr.	Kilba ...	Simla ...	Kilba ...	7,881	12·31	...	...	7,881	12·31	
	Kailás ...	Do. ...	Kailás Range	14,980	23·42	...	(e)6,135 (f) 111	8,743	13·66	
	Chini ...	Do. ...	Chini Range...	2,555	3·99	...	...	2,555	3·99	
	Pandrábis...	Do. ...	Pandrábis ...	20,642	32·26	...	(e)7,185 (f) 475	12,982	20·29	
	Neogli ...	Do. ...	Neogli ...	5,112	7·98	...	...	5,112	7·98	
	Taranda ...	Do. ...	Taranda ...	12,547	19·61	...	(e)3,824 (f)1,936	6,787	10·61	
	Pabar ...	Do. ...	Pabar, Rupin and Giri Forests ...	90,450	141·33	...	...	90,450	141·33	
			Total ...	1,54,176	240·90	...	19,666	1,34,510	210·17	

Form No. 49.

AREA OF UNCLASSED STATE FORESTS, 1891-92—(continued.)

Division.	Range.	Civil District or Territory.	Name of Forest	Area on 1st April 1891.		Added during the Year.	Excluded or transferred to other heads.	Area on 31st March 1892.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Jhelum.	Khushâb ...	Shahpur ...	Khushâb Rakhs	1,32,942	207·72	...	...	1,32,942	207·72	
	River ...	Jhelum ...	Unreserved Belás.	...	...	(d)25	...	25	0·04	
			Total ...	1,32,942	207·72	25	...	1,32,967	207·76	
Chenab.	Hâfizabad	Gujránwála	Hâfizabad Rakhs.	2,832	4·43	...	...	2,832	4·43	
	Chenâb River	Do. ...	Belás ...	1,027	1·60	...	(f)538	489	0·76	
	Do. ...	Gujrát ...	Do. ...	7,647	11·95	(d)244	(f)175 (d)9	7,707	12·04	
	Do. ...	Do. ...	Kathâla Plantation.	6	0·01	...	(f)1	5	0·01	
	Bhera ...	Shahpur ..	Bhera Rakhs	1,42,411	222·52	(f)2,141	(f)5,998	1,38,554	216·49	
	Chonâb River	Siálkot ...	Belás ...	252	0·39	...	(a)160	92	0·14	(a) Financial Commissioner, Punjab's letter No. 3517, dated 6th June 1890.
	Pabbi ...	Gujrát ...	Jhelum Belás	399	0·62	(d)7 (f)18	(d)20	404	0·63	
			Total ...	1,54,574	241·52	2,410	6,901	1,50,083	234·50	
Lahore.	Chúnián ...	Lahore ...	Chunián unclassed ...	1,03,682	162·00	...	(g)6	1,03,676	161·99	Punjab Government Notification No. 437, dated 7th December 1891.
	Lahore ...	Do. ...	Lahore unclassed ...	11,494	17·96	...	...	11,494	17·96	
	Do. ...	Do. ...	Kot Lakhpat	600	0·94	...	...	600	0·94	
	Sharakpur	Do. ...	Sharakpur unclassed ...	73,029	114·11	...	...	73,029	114·11	
	Do. ...	Do. ...	Do. ...	826	1·29	...	...	826	1·29	
			Total ...	1,89,631	296·30	..	6	1,89,625	296·29	
Multan.	Lodhrán ..	Multan ...	Lodhrán Rakhs	21,200	33·12	...	...	21,200	33·12	
	Mailsi ...	Do. ...	Mailsi ...	17,491	27·33	...	...	17,491	27·33	
			Makhdúm Rashíd ...	310	·48	...	...	310	0·48	
	Sanáwán ...	Muzaffargarh	Sanáwán ...	8,981	14·03	...	...	8,981	14·03	
	Muzaffargarh	Do. ...	Muzaffargarh	10,431	16·30	...	(d)33	10,398	16·25	
	Alipur ...	Do. ...	Alipur ...	27,358	42·75	...	(d)1,479	25,879	40·44	
	Rájanpur ...	D. G. Khan	Rájanpur ..	16,000	25·00	...	...	16,000	25·00	
	D. G. Khan	Do. ...	D. G Khan ...	2,533	3·96	...	(h)533	2,000	3·12	Punjab Government No. 208, dated 6th May 1891.
			Total ...	1,04,304	162·97	...	2,045	1,02,259	159·77	
Montgomery.	Gugera ...	Montgomery	Gugera Rakhs	2,17,808	340·32	...	...	2,17,808	340·32	
	Montgomery	Do. ...	Montgomery Rakhs ...	87,002	135·94	53	...	87,055	136·02	
	Chichâwatni	Do. ...	Chichâwatni Rakhs ...	1,80,339	281·78	...	53	1,80,286	281·70	
			Total ...	4,85,149	758·04	(i) 53	(i) 53	4,85,149	758·04	

Form No. 49.

AREA OF UNCLASSED STATE FORESTS, 1891-92—(concluded.)

Division.	Range.	Civil District or Territory.	Name of Forest	Area on 1st April 1891. Acres.	Area on 1st April 1891. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 31st March 1892. Acres.	Area on 31st March 1892. Equivalent in square miles.	No and date of Notification of addition or transfer.
Ambala.	Sabáthu. ...	Simla ...	Sabáthu ...	370	0·57	(j) 24	...	394	0 61	Punjab Government No. 318, dated 1st August 1890
	Dagshái ...	Do. ..	Dagshái ..	400	0 63	...	...	400	0·63	
			Total ...	770	1·20	24	...	794	1 24	
Simla Hill Tracts.	Jutogh ...	Simla ...	Jutogh Plantation.	115	0 18	...	...	115	0·18	
			Total ...	115	0·18	...	...	115	0·18	
			Grand Total ...	25,06,331	3,916	3,058	29,684	24,79,705	3,874	
			Total for 1890-91 ...	25,09,007	3,920	1,354	4,030	25,06,331	3,916	

(a.) Transferred to Military Department.
(b.) Leased for cultivation.
(c.) Transferred from Reserves.
(d.) By river action.
(e.) Transferred to Reserves.
(f.) Correction of previous returns.
(g.) Transferred to Canal Department.
(h.) Do to District authorities.
(i.) By exchange
(j.) Transferred from Military Department.

Abstract of changes during the year.

			Acres.
Area at commencement of year			25,06,331
Added—			
By transfer from Reserves	546		
„ river action	276		
„ correction of areas	2,159		
„ exchange	53		
„ transfer from Military Department	24	3,058	
Excluded—			
By transfer to Military Department	740		
„ leases for cultivation	396		
„ river action	1,578		
„ transfer to Reserves	17,144		
„ correction of areas	9,234		
„ transfer to Canal Department	6		
„ „ to District authorities	533		
„ exchange	53	29,684	
Net deduction			26,626
Area at close of year			24,79,705

Form No. 50.

REGISTER OF BREACHES OF FOREST RULES DURING 1891-92.

Forest Division.		Cases pending from 1891-92.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
Hazara Division ...	A.	5	10	110	23	3	146	151	101	248 and 18 village.	32	201 and 1 village.	133	449 and 19 villages.	18
	B.	...	...	...	...	...	...	...	...	...	...	...	..	...	...
	C.	...	...	28	7	...	35	...	...	...	...	...	...	...	...
Total ...		5	10	138	30	3	181	151	101	248 and 18 villages.	32	201 and 1 village.	133	449 and 19 villages.	18
Rawalpindi Division	A.	10	6	83	11	22	122	132	103	269	21	116	124	385	8
	B.	...	...	45	146	...	191	191	191	271	...	...	191	271	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ..		10	6	128	157	22	313	323	294	540	21	116	315	656	8
Chamba Division ...	A.	11	1	25	11	5	42	*53	35	93	2	12	37	105	14
	B.	...	...	...	...	...	...	...	...	...	...	...	..	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		11	1	25	11	5	42	53	35	93	2	12	37	105	14
Kangra Division ...	A.	2	7	32	5	1	45	47	37	220	5	47	42	267	5
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		2	7	32	5	1	45	47	37	220	5	47	42	267	5
Kulu Division ...	A.	13	16	113	35	38	202	215	166	419	21	77	187	496	28
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	3	2	...	1	6	...	...	...	...	..	...	...	...
Total ...		13	19	115	35	39	208	215	166	419	21	77	187	496	28
Bashahr Division ...	A.	245	15	107	1	37	160	405	100	140	40	70	140	210	265
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		245	15	107	1	37	160	405	100	140	40	70	140	210	265
Jhelum Division ...	A.	4	1	46	57	9	113	117	103	190	12	33	115	223	2
	B.	...	...	87	290	5	382	382	382	527	...	...	382	527	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		4	1	133	347	14	495	499	485	717	12	33	497	750	2

Form No. 50.

REGISTER OF BREACHES OF FOREST RULES DURING 1891-92—*concld.*

Forest Division.		Cases pending from 1891-92.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		*Convictions.*		*Acquittals.*		*Total.*		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
Chenab Division ...	A.	41	...	75	108	11	194	235	86	332	92	568	178	900	57
	B.	...	...	28	20	..	48	48	48	96	...	...	48	96	...
	C.	...	3	10	...	2	15	...	...	...	...	...	...	...	...
Total ...		41	3	113	128	13	257	283	134	428	92	568	226	996	57
Lahore Division ...	A.	...	1	12	9	8	30	30	21	66	4	19	28	85	2
	B.	..	...	8	1	...	9	9	9	10	...	...	9	10	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	1	20	10	8	39	39	33	76	4	19	37	95	2
Multan Division ...	A.	...	4	12	49	1	66	66	59	96	5	19	64	115	2
	B.	...	...	1	14	...	15	15	15	20	...	...	15	20	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	4	13	63	1	81	81	74	116	5	19	79	135	2
Montgomery Division	A.	77	...	89	21	..	110	187	55	105	24	57	79	162	108
	B.	.	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	.	...	...	...	...	...	...	...
Total ...		77	...	89	21	...	110	187	55	105	24	57	79	162	108
Ambala Division	A.	5	1	13	2	3	19	24	19	25	4	7	23	32	1
	B.	..	..	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	6	...	...	...	6	...	...	...	...	...	...	...	...
Total ...		5	7	13	2	3	25	24	19	25	4	7	23	32	1
Direction Division, Simla Hill Tracts	A.	5	2	57	3	4	66	71	43	79	3	3	46	82	25
	B	...	...	3	...	...	3	3	3	6	...	...	3	6	...
	C.	...	...	...	...	...	...	...	...	...	...	..	...	...	...
Total ...		5	2	60	3	4	69	74	46	85	3	3	49	88	25
Grand Total ...	A.	418	94	774	335	142	1,315	*1,733	931	2,282 and 18 villages	265	1,229 and 1 village.	1,196	3,511 and 19 villages	535
	B.	...	...	172	471	5	648	648	648	930	...	...	648	930	...
	C.	...	12	40	7	3	62	...	...	...	...	...	..	...	...

* Two cases struck off as offences which occurred in 1890-91 were not serious and offenders have left Chamba territory for Kashmir.

N.B.—A means cases taken into Court.
B means cases disposed of under section 67 of the Indian Forest Act, 1878.
C means undetected cases.

Form No. 51.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE DRY SEASON 1892,—TO ACCOMPANY REPORT FOR 1891-92.

Division.	Forest Tracts.	Year in which protection commenced.	Area actually protected up to 15th June 1891.	During dry season of 1892.			Cost during the season	Remarks.
				Area attempted to be protected.	Failures.	Actually protected.		
							Rs	
Hazára ...	Kaghán 2 Reserves...	1885	2,638	9,144	9,144	...	103	
	Sirin 3 „ ...	...	..	7,298	7,298	...	12	
	Dungagali 15 „ ...	...	...	11,708	317	11,391	4	
	Khánpur 11 „ ...	...	...	8,545	2,271	6,274	27	
	Total ...	...	2,638	36,695	19,030	17,665	146	
Ráwalpindi ...	Murree 18 Reserves ..	1885-88	20,709	2,380	684	1,696	26	
	„ 21 Protected ...	1885-90	15,374	...	...	...	...	
	Kahúta 17 Reserves ...	1885-90	13,705	...	...	...	...	
	„ 14 Protected ...	1888-90	6,204	...	...	...	...	
	Total ...	...	55,992	2,380	684	1,696	26	
Chamba ...	Bakloh ..	1872	643	509	13	496	81	
	Kálátop and Dadra ...	1871	2,602	153	...	153	16	
	Kainthli ...	1882	964	...	...	...	...	
	Surkhigalli ...	1882	306	306	...	306	110	
	Bannikhet ...	1874	211	211	...	211		
	Shahpur Kandi ...	1882	8,882	8,882	10	8,872	139	
	Total ...	...	13,608	10,061	23	10,038	346	
Kángra ...	Lohára Khás, Jowár, Lambasail and part of Punjal.	1875	2,000	2,000	342	1,658	36	
	Parts of Chabútra, Dhár, Jakh, Humal, Bakroh, Dhar Sidh and Majhaba.	1884	7,000	7,000	21	6,979	95	
	Parts of Bindrában and Karnpur bamboo Reserves.	1884	3,000	3,000	...	3,000	45	
	Dhamtal Reserve ...	1879	624	624	...	624	15	
	Talára and Kalak Reserves.	1882	1,044	1,044	...	1,044	15	
	Mastgarh, Batoie and Swarka.	1885	587	587	...	587	15	
	Tatal, Mehdhar, Chatril and Jakar Reserves.	1882	3,331	3,331	750	2,581	15	
	Bindrában Reserve ...	1883	617	617	...	617	15	
	Balah and Soldah Reserves.	1887	579	579	...	579	14	
	Hatidhar Unclassed Forests.	1885	1,500	1,500	...	1,500	15	
	Unclassed Forests on the sides of roads going to Sulyali.	1890	1,500	1,500	1	1,499	14	
	Part of Lohjang Reserve	1892	...	500	...	500	11	
	Total .	...	21,782	22,282	1,114	21,168	305	

Form No. 51.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING THE DRY SEASON 1892,—TO ACCOMPANY REPORT FOR 1891-92—*concluded.*

Division.	Forest Tracts.	Year in which protection commenced.	Area actually protected up to 15th June 1891.	During dry season of 1892.			Cost during the season.	Remarks.
				Area attempted to be protected.	Failures.	Actually protected.		
							Rs.	
Kullu ...	Sial-Biál ...	1885	80	80	...	80		
	Dungri ...	1887	60	60	...	60		
	Dudlu ...	1888	260	260	...	260	22	
	Dana-Bial ...	1889	30	30	...	30		
	Damsu Kalaun and Manálghán.	1890	284	284	...	284		
	Sahita and Kandi ...	1891	150	150	...	150	57	
	Seoráj Range 2 Forests	1887	620	280	...	280		
	„ 0 „	1888	2,373	1,613	...	1,613		
	„ 3 „	1889	320	320	...	320	39	
	Parkátshil ...	1890	240	240	...	240		
	Chaliála ...	1892	...	300	...	300		
	Soma Chaláon ...	1885	400	400	390	10		
	Rupi Range, 4 Forests ..	1888	8,540	9,440	800	8,640		
	Biudrában ..	1889	223	223	...	223	37	
	Kailiban and Masu Dunkri.	1890	1,030	1,030	700	330		
	Diyar ...	1891	100	100	...	100		
	Total ...	..	14,710	14,810	1,890	12,920	155	
Bashahr ...	Neogli Range Reserves	1891	37,920	43,540	...	43,540	32	
	Pabar „ „ ...	1891	6,355	6,355	30	6,325	41	
	Kailás „ „ ...	1887	...	451	...	451	7	
	Total ...	...	44,275	50,346	30	50,316	80	
Multan ...	Lodhrán Range (forests)	...	3,199	3,199	78	3,121	61	
	Muzaffargarh „ ...	...	10,377	3,852	580	3,272	111	
	Alipur „ ...	...	16,167	11,860	123	11,737	169	
	Rájanpur „ ...	...	16,000	10,000	2	9,998	105	
	Total ...	...	45,743	28,911	783	28,128	446	
Montgomery ...	Kalera ...	1884	4,561	4,561	...	4,561	24	
	Mírdád ...	1886	3,352	3,352	...	3,352	14	
	Montgomery ...	1886	4,055	4,280	...	4,280	14	
	Satghara ...	1887	2,077	...	...	..	...	
	Ranjít Singh ...	1886	5,377	...	...	...	...	
	Okára ...	1891	4,097	4,097	...	4,097	7	
	Sayadwála ...	1892	...	4,958	37	4,921	14	
	Total ...	..	23,519	21,248	37	21,211	73	
Ambala ...	Kalesar ...	1882	2,389	2,389	...	2,389	420	
	Sabáthu ...	1887	370	394	1	393	42	
	Dagsháí ...	1888	400	400	2	398	67	
	Total ...	...	3,159	3,183	3	3,180	529	
	Grand Total ...	...	2,25,426	1,89,916	23,594	1,66,322	* 2,106	
	Total for 1890-91 ...	...	2,14,075	2,27,113	1,687	2,25,426	1,554	

* Rupees 2,106 are exclusive of Rs. 27 spent on areas not specially protected in the Chamba and Chenáb Divisions.

Form No. 52.

AREA OF PLANTATIONS, 1891-92.

Division.	Name of Plantation.	Area in Acres.				Receipts	Charges	Remarks
		On 1st April 1891.	Added during the year.	Excluded during the year.	Area on 31st March 1892.	Of the year.		
	Regular Plantations.							
Kulu	Manali Forest garden	5	...	...	5	...	..	
	Loe garden ...	4	...	...	4	...	...	
Bashahr ...	Sholtu ...	6	...	...	6	13	501	On Nurseries and orchards.
Jhelum ...	Pira Ghaib ...	200	...	...	200	...	...	
	Gaudhala ...	25	...	...	25	...	...	
Chenab ...	Belas Nath and Pindi-Tatar ...	181	...	...	181	174	...	
	Belas Sadhoki ...	1	...	...	1	3	...	
	Do. Kotli Gohan ...	8	...	...	8	10	...	
	Do. Thatta Faqirulla	412	...	...	412	155	...	
	Ghazi Chak ...	5	...	...	5	4	...	
Lahore ...	Changa Manga ...	9,080	14	14	9,080	50,512	47,261	
	Shahdara *cum* Jugian	1,114	10	6	1,118	3,189	174	
	Sadhanwali ...	334	...	...	334	246	...	
	Jhok ...	1,024	...	...	1,024	3,011	40	
	Nag ...	412	...	...	412	43	17	
	Carob plantation ...	23	...	...	23	158	125	
Ambala ...	Jullundur ...	51	...	...	51	119	...	
	Phillour ...	220	...	...	220	312	59	
	Ludhiana ...	197	...	...	197	135	...	
	Sabathu ...	310	62	38	334	1,041	334	
	Jagadhri ...	201	...	...	201	...	...	
	Dagshai ...	400	254	254	400	500	976	
	Total Regular Plantations ...	14,213	340	312	14,241	59,625	49,487	
	Cultural Operations.							
	Changlagali, No. 1 ...	44	...	...	44	...	6	Nursery—2,450 square feet.
	Do. Forest house plot ...	9	...	...	9	...	...	
	Kujagali ...	16	...	...	16	...	...	
	Kutli ...	10	1	1	10	...	34	
	Malkandi No. 1 ...	8	...	...	8	...	15	Six nurseries—6,048 square feet.
	Do. No. 2 ...	2	..	...	2	...	...	
	Do. No. 3 ...	40	...	...	40	...	...	
	Nuri ...	5	...	...	5	...	9	Three nurseries—3,674 square feet
	Mari ...	5	...	...	5	...	...	
	Karala ...	3	...	...	3	...	...	
	Makhanyal ...	2	...	...	2	...	...	
Hazara ...	Garmthun. Mela-ka-Ochar, Lalumar, Kotjandan, Toba Danda, Bijumar	754	...	...	754	...	...	
	Meurti ...	1	...	...	1	...	...	
	Mauji Keri ...	9	...	...	9	...	...	
	Bijuban ...	5	3	3	5	...	5	
	Chachan ...	3	...	...	3	...	...	
	Mandiali ...	2	...	...	2	...	9	Nursery—1,550 square feet.
	8 Miscellaneous plots	6	...	...	6	..	...	
	Malkandi, No. 4 ...	33	...	...	33	...	...	
	Nuri, No. 2 ...							
	Kamalban ...	100	...	...	100	...	...	
	Nuri, No. 3 ...							
	Carried over ...	1,057	4	4	1,057	...	78	

Form No. 52

AREA OF PLANTATIONS, 1891-92—*continued.*

Division.	Name of Plantation.	Area in Acres.				Receipts / Charges		Remarks.
		On 1st April 1891.	Added during the year.	Excluded during the year.	Area on 31st March 1892.	Of the year.		
	Brought forward ...	1,057	4	4	1,057	...	78	
	Cultural Operations—*continued.*							
Hazara ...	Bagan, Aru-ka-Bagla	4	...	...	4	...	6	Nursery—4,200 square feet.
	Bagan, Kundlagali ...	9	3	3	9	...	10	
	Dunga, Nathiagali ...	1	...	...	1	...	...	
	Diwan Bela ...	77	...	...	77	...	3	One Nursery—1,200 square feet.
	Kamalban, Surbeyla...	57	...	...	57	...	...	
	Chumbi (Sir) ...	19	1	...	20	...	7	
	Shinu, Nuri Khas, Bhujiân, Gandaka Nakka and Baggaban ...	31	...	...	31	...	...	
	Darwaza Chumbi Palak ...	3	...	...	3	...	...	
	Darwaza (Satnara, Kali Kutli, Rhinka Nakka)	10	4	4	10	...	23	
	Jawalian, Choi Ochar	50	...	...	50	...	...	
	Kerwali, Galian Ochar	33	...	...	33	...	...	
	Kund Patti ...	3	...	...	3	...	...	
	Abbottabad Depôt ...	...	...	...	...	...	25	664 square feet seed beds and 200 flower pots sown.
	Nagri bala ...	...	...	...	...	...	16	512 square feet seed beds sown.
	Total ...	1,354	12	11	1,355	...	168	
Rawalpindi ...	Barakao (Margala) ...	86	...	...	86	...	72	
	Patrinta Reserve, Compartment 16 ...	...	...	...	...	...	41	Half acre nursery.
	Masot Reserve, Compartment 2 ...	...	1	...	1	...	...	
	Total ...	86	1	...	87	...	113	
Chamba ...	Pangi various ...	64	...	...	64	...	...	
	Bassu ...	149	...	...	149	...	2	
	Dhauri ...	25	...	...	25	...	...	
	Kalatop ...	308	25	6	327	...	438	
	Kaiuthli ...	143	10	4	149	...	62	
	Majour ...	1	...	...	1	..	...	
	Cherri ...	2	...	...	2	...	...	
	Padri-Bohar ...	120	12	...	132	...	283	
	Chatri ...	66	16	...	82	...	171	Where dead seedlings were found they were replaced by transplants.
	Khanni ...	5	...	...	5	...	7	
	Chadbhent ...	5	12	3	14	...	245	
	Sakral ...	2	...	2	...	...	...	
	Khangu ...	...	...	...	...	...	2	
	Total ...	890	75	15	950	...	1,210	
Kangra ...	Chatril Reserve ...	52	...	...	52	...	...	
	Tatal do. ...	86	6	4	88	...	14	
	Bindraban do. ...	11	...	...	11	...	...	
	Dhamtal do. ...	30	2	1	31	...	7	
	Mehdar do. ...	2	...	...	2	...	...	
	Jakar do. ...	15	...	...	15	...	...	
	Ballah do ...	3	5	3	5	...	2	
	Nalian do. ...	19	...	...	19	...	...	
	Jamoli do. ...	5	...	...	5	...	...	
	Balwal do. ...	5	...	...	5	...	...	
	Samlian do. ...	280	...	...	280	...	11	
	Tilli do. ...	7	...	...	7	...	13	
	Carried over ...	515	13	8	520	...	47	

Form No. 52.

AREA OF PLANTATIONS, 1891-92—*continued.*

Division.	Name of Plantation.	Area in Acres.				Receipts	Charges	Remarks.
		On 1st April 1891.	Added during the year.	Excluded during the year.	Area on 31st March 1892.	Of the year.		
	Brought forward ...	515	13	8	520	...	47	
	Cultural Operations—*continued.*							
Kangra	Darang Reserve ...	20	5	...	25	...	32	
	Habrol do. ...	8	...	...	8	...	...	
	Karnpur do. ...	27	2	...	29	...	14	
	Bindraban do. ...	5	...	...	5	...	...	
	Lohara A in 6 places ..	35	...	...	35	...	...	
	„ B in 4 places	15	...	...	15	...	...	
	Panjal Reserve ...	4	...	...	4	...	...	
	Dharni do. ...	1	...	...	1	...	...	
	Bajori in Hamirpur ...	6	...	...	6	...	...	
	Baldoa Reserve ...	7	...	...	7	...	...	
	Badiana ...	45	...	...	45	...	...	
	Hamirpur Trihais ...	118	6	...	124	...	5	
	Baghrián Reserve ...	526	...	*37	489	1,140	...	* Lost by river action.
	Mullanwal do. ...	13	†7	...	20	...	...	† Due to correction of area.
	Nurpur fruit nursery	1	...	...	1	...	36	
	Total ...	1,346	33	45	1,334	1,140	134	
Kulu ...	Dungri ...	34	...	...	34	...	...	
	Manalghan ...	53	...	...	53	...	...	
	Dana-bial ...	27	...	...	27	...	...	
	Sial-Bial ...	66	...	...	66	...	...	
	Manalgahr ...	41	...	...	41	...	...	
	Bai-Padri ...	12	...	...	12	...	23	Nursery.
	Dani-Deo ...	35	2	2	35	...	110	
	Chasal, Upper ..	14	...	...	14	...	...	
	Do. Lower ...	5	...	...	5	...	...	
	Shalingar ...	35	...	...	35	...	...	
	Dadlu ...	55	2	...	57	...	80	
	Brunudhar ...	25	...	...	25	..	33	
	Padi Chalaon ...	14	...	...	14	...	10	
	Batar Bial ...	7	...	...	7	...	...	
	Deoban ...	18	3	3	18	...	10	
	Sesni ...	6	...	...	6	...	...	
	Phetaban ...	1	...	...	1	...	...	
	Ledi Chalaon ...	2	...	...	2	...	...	
	Shejuni ...	6	...	...	6	...	...	
	Fojal Kalaon ...	6	...	...	6	...	...	
	Seta Dhag ...	11	...	...	11	..	...	
	Rebni ...	8	...	...	8	...	...	
	Lomban ...	1	...	...	1	...	...	
	Sandhar ...	5	...	...	5		...	
	Gogarsil ...	3	...	...	3	...	...	
	Chhota Shunjra ...	5	...	...	5	...	...	
	Lot ...	1	...	...	1	...	...	
	Devi-di-Jhir ...	5	...	...	5	...	...	
	Bindraban Jerri ...	24	...	..	24	...	31	Nursery.
	Soma Chalaon ...	62	1	1	62	...	59	
	Phulga ...	15	...	...	15	...	9	
	Kashol ...	6	...	...	6	...	...	
	Duikhri ...	15	1	1	15	...	35	
	Ilagahr ...	10	...	...	10	...	..	
	Sawani ...	7	...	...	7	...	2	
	Tandi ...	15	...	...	15	...	...	
	Bithu Kandu ...	5	...	...	5	...	...	
	Gobi ...	4	...	...	4	...	...	
	Daogi ...	5	...	...	5	...	...	
	Latura ...	42	...	...	42	...	36	New nursery.
	Blajdhar ...	9	...	...	9	...	...	
	Salono ...	12	...	...	12	...	...	
	Jibi ...	5	...	...	5	...	...	
	Ramgarh ...	5	...	...	5	...	...	
	Silla ...	5	...	...	5	...	7	New nursery.
	Phone ...	9	2	2	9	...	14	
	Ratho ...	30	...	...	30	...	...	
	Bagi ...	3	...	..	3	...	...	
	Jiya ...	1	...	...	1	...	2	
	Nagar compound ...	...	...	...	...	...	1	
	Kut ...	...	1	...	1	...	5	
	Total ...	790	12	9	793	...	467	

Form No. 52.

AREA OF PLANTATIONS, 1891-92—*continued.*

Division.	Name of Plantation.	Area in Acres.				Receipts	Charges	Remarks
		On 1st April 1891.	Added during the year.	Excluded during the year	Area on 31st March 1892.	Of the year.		
	Cultural Operations—*continued.*							
Bashahr ...	Nachar-East ...	146	...	*11	135	...	129	* Due to correction of area.
	Runang ...	46	7	...	53	...	78	
	Sapni Kum-Kumi ...	304	7	*161	150	...	204	
	Kanahi ...	4	...	...	4	...	5	On nurseries.
	Kilba ...	2	...	...	2	...	31	
	Tendon ...	35	2	...	37	...	7	
	Darkali and Kashapat	4	...	...	4	...	...	
	Taranda ...	4	...	...	4	...	...	
	Gutrang ...	12	...	...	12	...	...	
	Nachar-West ...	5	...	...	5	...	...	
	Tanglang ...	8	...	...	8	...	...	
	Jani ...	10	23	...	33	...	69	
	Panwi ...	9	...	...	9	...	...	
	Kulba ...	2	...	...	2	...	...	
	Jumpan-Phinla ...	13	...	...	13	...	9	Ditto.
	Tikru Wasankan ...	12	...	...	12	...	..	
	Punang ...	10	...	...	10	...	12	Ditto.
	Ralli ...	6	...	...	6	...	2	Ditto.
	Shimolang ...	6	...	...	6	...	3	
	Jangi Kirang ...	5	...	...	5	...	...	
	Buling ...	4	...	...	4	...	...	
	Shil ...	1	...	...	1	...	...	
	Ramni-Mazgani ...	12	23	...	35	...	258	
	Baturi ...	...	4	...	4	...	72	
	Purbani ...	...	...	...	...	...	8	Ditto.
	Choling ...	...	...	...	...	...	2	Ditto.
	Ratnari, &c. ...	...	...	...	...	...	1	Ditto.
	Total ...	660	66	172	554	...	890	
Jhelum ...	Ban Faqirulla ...	8	..	...	3	...	...	
	Garat ...	10	...	...	10	...	...	
	Total ...	13	..	...	13	...	...	
Chenab ...	Pabbi ...	783	37	...	820	896	216	
	Ishar ...	64	...	...	64	...	...	
	Deowál ...	68	...	...	68	...	...	
	Pakhowal ...	41	...	...	41	..	...	
	Kikranwali ...	...	...	...	...	362	...	
	Wazirabad Nursery...	...	...	...	...	...	12	
	Total ...	956	37	...	993	1,258	228	
Lahore ...	Kot Lakhpat ...	220	...	...	220	645	..	
	Dhig ...	45	...	...	45	...	...	
	Sarai Amanat Khan...	18	...	...	18	...	4	
	Total ...	283	...	...	283	645	4	
Multan ...	Makhan Bela ...	1	...	...	1	...	...	
	Makhdum Vinoi ...	30	...	30	...	...	5	Thirty acres actually failed in 1890-91, but were erroneously not struck off in Form No. 52 of that year.
	Dhamerwála ...	5	1	..	6	...	...	
	Kureshi ...	102	2	...	104	..	...	
	Jalwala ...	2	...	2	...	...	...	
	Bakaini ...	...	1	1	...	...	...	
	Dandewala ...	1	3	1	3	...	1	
	Sohni ...	2	2	4	...	...	...	
	Alipur Tofapur ...	1	...	1	...	...	...	
	Arbi ...	1	4	4	1	...	135	
	Shujaitpur ...	...	10	...	10	...	5	
	Jhelarian ...	8	2	6	4	...	1	
	Isanwala ...	3	...	...	3	...	...	
	Chhina Malana ...	4	...	...	4	...	...	
	Khanwáh Reserve ...	10	11	7	14	...	5	
	Khudai ...	1	...	†1	...	...	...	† By river action.
	Bura Kotla ...	200	75	90	185	...	3	
	Dangra ...	1	...	...	1	...	...	
	Tajwana ...	...	5	5	...	...	2	
	Carried over ...	372	116	152	336	...	157	

Form No. 52.

AREA OF PLANTATIONS, 1891-92—*concluded.*

Division.	Name of Plantation.	Area in Acres.				Receipts	Charges	Remarks.
		On 1st April 1891.	Added during the year.	Excluded during the year.	Area on 31st March 1892.	Of the year.		
						Rs.	Rs.	
	Brought forward ...	372	116	152	336	...	157	
	Cultural Operations—*concluded.*							
	Rekh ...	...	3	3	...	...	3	
	Fazilpur ...	...	8	8	...	...		
	Daman ...	...	2	2	...	...		
	Murgha ...	...	4	4	...	...		
	Total ...	372	133	169	336	...	160	
Montgomery ...	Okara ...	22	...	...	22	...	...	
	Total ...	22	...	...	22	...	...	
Simla Hill Tracts.	Jutogh ...	20	20	...	40	149	203	
	Total ...	20	20	...	40	149	203	
	Total of Cultural Operations ...	6,792	389	421	6,760	3,192	3,577	
	Grand Total of Plantations and Cultural Operations ...	21,005	729	733	21,001	62,817	53,064	
	Total for 1890-91 ...	20,857	1,696	1,548	21,005	67,614	28,422	

ABSTRACT OF CHANGES IN AREA OF PLANTATIONS.

		Acres.	Acres.
	Total Plantations of all Classes		21,005
Add—	Work actually done during the year	722	
	By correction of area	7	
		729	
Deduct—	Failures struck off	493	
	Lost by river action	38	
	By correction of area	202	
		733	
	Net deduction		4
	Total of all Classes on 31st March 1892		21,001

ABSTRACT OF CHARGES.

	Rs	Rs.
Cost of Regular Plantations	49,487	
„ of Cultural Operations	3,577	
		53,064
Add cost of seed, &c.	502	
„ erroneously charged to A VIII *d* in Chenáb	15	
		517
	Total ...	53,581
Deduct expenditure debited to A VIII *f* in Bashahr	53	
„ „ erroneously debited to A I *e* in Multan ...	131	
		184
Expenditure under A VIII *d*, as per Form No. 58		53,397

Form No. 54.

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL DURING THE YEAR 1891-92, AND AGENCY OF EXPLOITATION.

Division.	Timber in the rough; Logs.					Timber in the rough; Poles.					Sawn or squared Timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Outturn.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
I.—RESERVED FORESTS.																										
Hazára ...	1,37,589	1,18,148	...	...	2,55,728	...	272	...	...	272	6,741	...	...	...	6,741	...	14	...	...	14	27,315	63,915	(a) 5,821	(b) 34,980	1,32,031	3,98,786
Ráwalpindi ...	...	95,832	...	(c) 240	96,072	...	450	...	...	450	...	2,258	...	...	2,258	...	61	...	...	61	...	3,92,000	...	(c) 3,21,490	7,13,490	8,12,331
Chamba ...	2,945	16,651	...	(f) 31,747	51,343	77	98	...	...	175	1,24,496	...	...	...	1,24,496	..	...	...	...	...	...	51	51,727	...	..	51,778	2,27,782
Kángra ...	...	33,683	...	...	33,683	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7,562	...	...	7,562	41,245
Bashahr ...	2,90,111	..	...	...	2,90,111	...	...	...	...	...	37,957	...	...	..	37,957	13,459	...	...	..	13,459	...	...	...	...	...	...	3,41,527
Jhelum ...	...	166	...	...	166	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	124	2,479	(l) 33,142	(m) 2,28,490	2,64,234	2,64,400
Chenáb ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,227	...	...	11,227	11,227
Lahore ...	5,299	32	...	...	5,331	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,07,734	...	9,836	...	...	8,17,570	8,22,901
Multan ...	...	...	...	...	...	...	1,178	...	...	1,178	...	...	...	...	...	...	...	...	...	...	5,78,335	...	56,457	...	...	6,34,792	6,35,970
Montgomery ...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	64	...	...	64	4,62,190	...	48	...	...	4,62,238	4,62,302
Ambala ..	..	...	...	...	...	604	...	...	...	604	...	...	...	...	...	...	...	...	...	...	95	...	5,161	...	...	5,256	5,860
Simla Hill Tracts	...	3,250	(p)1,820	(p) 8,075	13,145	...	...	...	...	...	..	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	79,215
Total ...	4,35,935	2,67,762	1,820	40,062	7,45,579	681	1,998	...	..	2,679	1,71,184	2,258	...	...	1,73,442	13,459	139	...	...	13,598	18,75,844	6,00,411	38,963	6,51,030	31,66,248	41,01,546
II.—PROTECTED FORESTS.																										
Ráwalpindi ...	...	21,930	...	(c) 3,940	25,870	...	48	...	(d) 750	798	...	178	...	...	178	...	20	...	...	20	...	14,334	...	(c) 16,79,803	16,94,137	17,21,003
Chenáb ...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,12,084	...	...	2,12,084	2,12,084
Total ...	...	21,930	...	3,940	25,870	...	48	...	750	798	...	178	...	...	178	...	20	.	.	20	...	2,26,418	...	16,79,803	19,06,221	19,33,087
III.—UNCLASSED FORESTS.																										
Ráwalpindi ...	...	372	...	(c) 56,660	57,032	....	33	...	(d) 18,694	18,727	...	84	...	...	84	...	72	...	...	72	.	391	...	...	391	76,306
Chamba ...	...	753	...	...	753	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	69	...	...	69	822
Kángra ...	...	38,046	...	(g)1,14,258	1,52,304	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,531	...	(g) 6,015	12,546	1,64,850
Kulu ..	...	..	...	...	...	...	...	(j)4,90,890	...	4,90,890	13,106	...	(j)3,31,900	...	13,106	...	1,08,945	(k) 9,368	(i)1,93,094	3,11,407	..	78,110	...	(i)1,38,70,000	1,39,48,110	1,42,72,625
Bashahr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,31,900	...	..	...	...	...	...	...	...	(k) 87,60,000	87,60,000	95,83,780
Jhelum ...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	256	(l) 8,394	(m) 1,80,000	1,88,650	1,88,650
Chenáb ...	...	32,830	...	...	32,830	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	1,59,395	...	...	1,59,395	1,92,225
Lahore ...	14	2,298	...	...	2,312	...	170	...	...	170	...	...	...	...	...	...	...	...	...	...	50,857	1,021	(n) 3,463	...	55,141	57,623
Multan ...	...	...	...	...	...	...	1,683	...	...	1,683	...	...	...	...	...	...	...	...	...	...	906	41,647	...	...	42,553	44,236
Montgomery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,604	...	...	5,604	6,83,102	45,582	...	...	7,28,684	7,34,288
Ambala ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75	...	...	75	75
Total ..	14	74,299	...	1,70,918	2,45,231	...	1,886	4,90,890	18,694	5,11,460	13,106	84	3,31,900	...	3,45,092	...	1,14,621	9,368	1,93,094	3,17,083	7,34,865	3,33,077	11,887	2,28,16,018	2,38,95,647	2,53,14,480

ABSTRACT.

Reserved Forests	4,35,935	2,67,762	1,620	40,062	7,45,579	681	1,998	...	...	2,679	1,71,184	2,256	...	...	1,73,442	13,459	139	...	..	13,598	18,75,844	6,00,411	39,963	6,51,030	31,66,248	41,01,546
Protected ,,	...	21,990	...	3,940	25,870	...	48	...	75	798	...	178	...	...	176	...	20	...	...	20	...	2,26,418	...	16,79,803	19,06,221	19,33,067
Unclassed ,,	14	74,299	...	1,70,918	2,45,231	...	1,886	4,90,880	18,694	5,11,460	13,106	84	3,31,900	...	3,45,092	...	1,14,621	9,368	1,93,094	3,17,083	7,34,685	3,33,077	11,857	2,28,16,015	2,38,95,614	2,53,14,480
TOTAL ...	4,35,949	3,63,991	1,820	2,14,920	10,16,680	691	3,932	4,90,880	19,444	5,14,937	1,84,292	2,520	3,31,900	...	5,18,712	13,459	1,14,780	9,368	1,93,094	3,30,701	26,10,529	11,50,906	50,820	2,51,46,848	2,89,68,063	3,13,49,113
TOTAL FOR 1890-91	7,78,826	2,37,687	6,161	1,68,404	11,91,078	446	12,076	35,340	7,786	55,649	99,851	3,309	11,350	...	1,13,510	228	45,710	10,534	4,51,220	5,07,692	20,77,518	16,41,781	42,841	2,60,86,451	2,98,55,594	3,17,23,519

Timber, Government Agency.—The gross yield in timber as shown in Form No. 56 under the heads "Received from Forests during the year" and "omitted in previous returns" comes to 12,90,735 cubic feet, whereas the net outturn shown in column "Government" of Form No. 54 is 6,34,381 cubic feet.

The difference is explained thus:—

	Cubic feet.	Cubic feet.
Add—		
Trees in balance in Chamba Division to be converted into scantlings during 1892-93, as per Form No. 56.	3,49,985	
Logs in balance in Chamba Division to be converted into scantlings during 1892-93, as per Form No. 56.	5,949	
Trees in balance in Hazára Division to be converted during 1892-93	863	
Wastage obtained by conversion of current year's gross yield in Chamba Division.	3,05,940	
		6,62,537

	Cubic feet.	Cubic feet.
Form No. 54, column "Government"		6,34,381
Deduct—		
Scantlings obtained by conversion of the gross yield of trees which were in hand in Chamba Division at the commencement of the year, as per Form No. 56 270 cubic feet less 87 cubic feet of wastage	183	
Net addition ...		6,62,354
Total as per Form No. 56 ...		12,96,735

Fuel, Government Agency.—55,01,305 cubic feet firewood entered in Form No. 56 under head "Received from Forests during the year" is made up partly of solid and partly of stacked wood, but on conversion is equal to 26,12,706 cubic feet solid. Out of this solid content 26,10,509 cubic feet are shown in Form No. 54, column "Government," and 2,197 cubic feet under "Purchaser." The latter was cut by a contractor in Multan, but confiscated by Government, and hence was brought on to Form 7 and now appears in Form No. 56.

(1). *Hazára Division*—(*a*). Punjab Government No. 417, dated 30th August 1888, value Rs. 194.
(*b*). Value Rs. 1,166.
(2). *Rawalpindi* ,, —(*c*). Estimated value Rs. 5,287.
(*d*). Estimated value Rs. 487.
(*e*). Estimated value Rs. 47,910.
(3). *Chamba* ,, —(*f*). Estimated value Rs. 2,496.
(4). *Kángra* ,, —(*g*). Estimated value Rs. 7,451.
(5). *Kulu* ,, —(*h*). 9,368 cubic feet timber given for local works. Punjab Government No. 314, dated 25th July 1890, to the Financial Commissioner, Punjab, value Rs. 965.
(*i*). 1,93,094 cubic feet timber, value Rs. 3,237, and 1,38,70,000 cubic feet fuel, value Rs. 69,350, granted for building and other domestic purposes.
(6). *Bashahr* ,, —(*j*). 8,22,780 cubic feet timber given as free grants, valued at Rs. 19,311.
(*k*). 87,60,000 cubic feet firewood removed by right-holders for building, agricultural and other domestic purposes, valued at Rs. 1,71,094.
(7). *Jhelum* ,, —(*l*). 41,536 cubic feet firewood under free grants, valued at Rs. 2,071, and
(*m*). 4,08,490 cubic feet fuel under right-holders were removed by members of Salt Department and villagers residing in the vicinity of forests for their household consumption.
(8). *Lahore* ,, —(*n*). 3,493 cubic feet firewood removed by the Mahant of Bhai Pheru, valued at Rs. 243.
(9). *Simla Hill Tracts*(*p*). 1,820 cubic feet timber given as free grants, valued at Rs. 170, and 8,075 cubic feet timber and 66,070 cubic feet firewood removed by right-holders for building and other domestic purposes.

Form No. 55.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1891-92.

Division.	Description of Produce.	Produce removed or utilized										Remarks.
		By Government Agency.		*By Purchasers.*		*By Free grants.*		*By Right-holders.*		*Total.*		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs		Rs		Rs.		Rs.	
	RESERVED FORESTS.											
Hazara	Grazing by leases (acres)	...	...	20,266	1,216	..	...	...	...	20,266	1,216	
	„ by permits (No. of cattle)	...	...	11,988	1,697	...	...	...	...	11,988	1,697	
	„ by settlement (acres)	...	...	...	...	...	...	10,422	357	10,422	357	
	Grass (head loads)	...	...	83,702	2,171	1,440	24	...	...	85,142	2,195	
	„ by leases (acres)	...	...	77,531	5,152	...	...	...	...	77,531	5,152	
	„ by settlement (acres)	...	...	...	...	...	...	3,072	276	3,072	276	
	Leaf fodder by settlement (acres)	...	...	...	...	...	...	446	50	446	50	
	Turpentine (maunds)	7	42	...	...	...	...	...	...	7	42	
	Roots { Kuth (maunds)	13	130	...	...	...	...	...	...	13	130	
	Roots { Podophyllum emodi (maunds) ...	7	28	...	...	...	...	..	...	7	28	
	Chir bark (maunds)	...	...	25	12	...	...	...	..	25	12	
	Imli and Bhan leaves (head loads)	...	..	104	26	...	...	..	...	104	26	
	Mushkbala (maunds)	...	...	360	180	...	...		...	360	180	
	Stone (cubic feet)	...	...	3,974	12	...	...	..	...	3,974	12	
Rawa pi ...	Grazing by leases (acres)	...	...	12,236	812	...	...	...	...	12,236	812	
	„ (No. of cattle)	...	...	20,950	1,127	...	...	44,444	46,864	65,394	47,991	
	Grass cutting by leases (acres)	...	...	1,17,070	5,865	...	...	...	..	1,17,070	5,865	
	„ „ (loads)	...	...	30,111	396	...	...	...	...	30,111	396	Head loads.
	„ „ (maunds)	...	...	...	...	...	...	94,668	2,958	94,668	2,958	
	Aola leaves (loads)	...	...	577	108	...	...	...	...	577	108	Do.
	Marwan branches (loads)	...	...	223	14	...	...	...	...	223	14	Camel loads ... 2 Banghi „ ... 221 223
	Sanátha branches (loads)	..	...	244	22	...	...	...	...	244	22	Head loads ... 192 Bullock „ ... 52 244
	Grass and minor produce confiscated (loads) ...	..	...	50	5	...	...	...	...	50	5	Head loads.

Chamba	Grass (maunds)	...	...	9,675	403	...	...	...	...	9,675	403		
Kangra	Bamboos (No.)	6,47,000	12,191	1,460	17	...	...	...	...	6,48,460	12,208		
	Grass (acres)	...	...	31,908	2,141	...	...	...	...	31,908	2,141		
	Grazing (acres)	..	...	1,441	90	...	...	...	...	1,441	90		
	Mill-stones (cubic feet)	...	...	26	3	...	...	...	...	26	3		
	Other minor produce	...	...	...	24	...	...	...	...	...	24		
Jhelum	Grazing by leases (acres)	...	...	81,956	3,178	...	...	...	...	81,956	3,178		
	„ by settlement (No. of cattle) ...	...	...	...	...	82	4	17,625	1,603	17,707	1,607		
	„ by permits (cattle)	...	...	4.436	2.032	14	99	...	...	4,450	2,131		
	Grass cutting by leases (acres)	...	...	90,745	5,522	...	...	...	...	90,745	5,522		
	„ by permits (No.)	...	...	538	97	...	...	...	...	538	97		
	„ „ (loads)	...	...	289	321	132	132	...	...	421	453		
	Stone (cubic feet)	...	...	81,800	204	45,77,178	11,443	...	...	46,58,978	11,647		
	Reeds and Nár (maunds)	...	...	4,902	430	...	...	...	...	4,902	430		
	Other minor produce	...	...	...	69	...	...	...	..	...	69		
Chenab ...	Grazing by leases (acres)	...	...	30,326	4,156	...	...	...	...	30,326	4.156		
	„ by permits (cattle)	...	...	19,185	9,594	...	...	...	...	19,185	9,594		
	Grass cutting (acres)	...	...	1,590	870	...	...	...	...	1,590	870		
	„ by permits (head loads)	...	...	26,606	1,360	...	...	...	...	26,606	1,360		
	„ „ (pony loads)	...	...	154	11	...	...	...	...	154	11		
	Babekar (acres)	...	...	559	85	...	...	...	...	559	85		
	Kankar (cubic feet)	...	...	13,725	34	...	...	...	...	13,725	34		
	Mallah leaves (acres)	...	...	36,334	455	...	...	...	...	36,334	455		
	„ „ (head loads)	...	...	676	45	...	...	...	...	676	45		
	Káhi and pilchi (acres)	...	...	631	470	...	...	...	...	631	470		
	Stone (cubic feet)	...	...	100	1	...	...	...	...	100	1		
	Saltpetre	...	...	...	18	...	...	...	...	...	18		
	Grass by permits (loads)	...	...	3,408	183	...	...	...	...	3,408	183	Head loads ... 3,379 Cart „ ... 27 Pony „ ... 2 3,408	
Lahore ...	Grass by leases (acres)	...	...	1,923	725	...	...	...	...	1,923	725		
	Grazing by leases (acres)	...	...	1,363	866	...	...	...	...	1,363	866		
	„ by permits (cattle)	...	...	13,442	7,755	...	...	...	...	13,442	7,755		
	Munj, kána and sar by permits (loads) ...	...	...	506	133	...	...	...	...	506	133	506 pony loads	
	„ „ by leases (acres) ...	...	...	5,011	1,168	...	...	...	...	5,011	1,168		
	Kahi and pilchi by leases (acres) ...	...	...	465	265	...	...	...	...	465	265		
	Grass (loads)	...	...	520	35	...	..	...	...	520	35	Head loads ... 464 Donkey „ ... 56 520	
Multan ...	Grass by permits (maunds)	...	...	2,268	233	...	...	...	...	2,268	233		
	Grazing by permits (No. of cattle) ...	...	...	15,776	2,195	...	...	...	...	15,776	2,195		
	„ by leases (acres)	...	...	1,663	160	...	...	...	...	1.663	160		
	Munj, kána (maunds)	...	...	747	171	...	...	...	...	747	171		
	Fruits (maunds)	...	...	33	8	...	...	...	...	33	8		
	Sajji (maunds)	...	...	35	12	...	...	...	...	35	12		

Form No. 55.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1891-92—*continued.*

Division.	Description of Produce.	Produce removed or utilized										Remarks.	
		By Government Agency.		*By Purchasers.*		*By Free grants.*		*By Right-holders.*		*Total.*			
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
			Rs.		Rs.		Rs.		Rs.		Rs.		
						RESERVED FORESTS—*concluded.*							
Montgomery ...	Grazing by leases (acres)	...	...	32,373	6,067	...	...	...	...	32,373	6,067		
	„ by permits (cattle)	...	...	1,233	174	...	...	...	...	1,233	174		
	Grass (maunds)	...	...	14,427	1,803	...	...	...	...	14,427	1,803		
	„ (loads)	...	...	18,088	824	...	...	...	...	*18,088	824	* Head loads ... 11,316 Donkey „ ... 6,635 Camel „ ... 1 Pony „ ... 136 18,088	
	Sar and kána (loads)	...	...	11,562	75	...	...	...	...	†11,562	75	† Head loads ... 11,455 Donkey „ ... 107 11,562	
	Múnj, kána (acres)	...	...	41,286	1,042	...	...	...	..	41,286	1,042		
	Láni (acres)	...	...	11,358	61	...	...	...	...	11,358	61		
	Mallah leaves (acres)	...	...	13,947	65	...	...	...	...	13,947	65		
	Other minor produce (acres)	...	...	4,564	19	...	...	...	...	4,564	19		
Ambala ...	Grazing (No. of cattle)	...	...	442	148	...	...	...	...	442	148		
	Grass cutting by leases (acres)	...	...	468	336	...	...	...	...	468	336		
	„ (loads)	...	...	403	37	...	...	...	...	403	37	Head loads ... 357 Cart „ ... 46 403	
Simla Hill Tracts	Grazing (No. of cattle)	...	...	...	...	...	...	1,992	747	1,992	747		
	Slates (No.)	...	...	...	...	...	...	200	...	200	...		
	Total from Reserved Forests ...	6,47,027	12,391	10,15,784	75,005	45,78,846	11,702	1,72,869	52,855	64,14,526	1,51,953		

PROTECTED FORESTS.														
RAWALPINDI ...	Grazing by permits (No. of cattle) ...	...	...	1,752	29	...	...	...	...	1,752	29	Head loads ...	275
	„ by settlement („) ...	...	...	...	...	...	...	45,272	87,014	45,272	87,014	Bullock „ ...	3
	Babar grass (loads)	...	...	346	26	...	...	...	...	346	26	Donkey „ ...	68
													346
CHENAB	Grazing by leases (acres)	..	...	9,172	1,200	...	...	...	...	9,172	1,200		
	„ by permits (cattle)	...	...	47,760	27,873	...	...	...	...	47,760	27,873		
	Kankar (cubic feet)	...	...	22,818	57	...	...	...	...	22,818	57		
	Mallah leaves by leases (acres)...	...	...	1,23,100	467	...	...	...	...	1,23,100	467		
	Panni grass (head loads)	...	...	15	4	...	...	...	...	15	4		
	Saltpetre	...	...	...	42	...	...	...	...	...	42		
	Old bricks (No.)	...	...	14,000	7	...	...	...	...	14,000	7		
	Total from Protected Forests	...	...	2,18,963	29,705	...	...	45,272	87,014	2,64,235	1,16,719		
UNCLASSED STATE FORESTS.														
RAWALPINDI ...	Grass cutting by leases (acres)	...	...	580	608	..	...	...	...	580	608		
	Minor produce confiscated (seers)	...	...	15	1	...	...	...	...	15	1		
	Sanatha branches (loads)	...	...	...	...	...	...	364	23	364	23	Head loads.	
KANGRA	Bamboos (No.)	26,900	637	3,025	9	...	...	...	...	29,925	646		
	Grass (acres)	...	...	414	175	...	...	...	...	414	175		
	Grazing (acres)	...	...	1,91,463	3,096	...	...	...	...	1,91,463	3,096		
	Other minor produce	...	...	...	6	...	...	...	...	...	6		
KULU	Grass (maunds)	...	...	...	...	...	...	26,50,000	26,500	26,50,000	26,500		
	„ (loads)	...	...	184	6	...	...	...	...	184	6		
	„ (acres)	...	...	113	14	...	...	...	...	113	14		
	Grazing (heads) cattle, sheep, &c.	...	...	7,738	188	...	...	2,96,000	4,625	303,738	4,813		
	Vegetable mould (maunds)	...	...	...	...	...	...	12,07,575	24,000	12,07,575	24.000		
	Patis (*Aconite*) „	...	...	...	...	...	...	35	1,050	35	1,050		
	Karu (*Gentian*) „	...	...	...	...	...	...	500	2,500	500	2,500		
	Egilbir „	...	...	...	...	...	...	20	200	20	200		
	Dhúp (*Juniper communis*) (maunds)	...	...	...	...	...	...	80	200	80	200		
	Binafsha (*Viola serpens*) („)	...	...	...	...	...	...	50	2,500	50	2.500		
	Khut (*Aucklandia*) („)	...	...	...	...	...	...	15	180	15	180		
	Nihani (*Valariana*) („)	..	...	...	...	...	...	10	50	10	50		
	Tatakbar (Horse chestnut) („)	...	...	...	...	...	...	20	50	20	50		
	Bojpattra (Birch bark) („)	...	...	...	...	...	...	10	25	10	25		
	Dandása (Walnut bark) („)	...	...	...	...	...	...	30	300	30	300		
	Carraway seed (*sira*) („)	...	...	...	...	...	...	30	450	30	450		
	„ (*Singhu*) („)	...	...	...	...	...	...	30	240	30	240		
	Walnuts („)	...	...	...	...	...	...	40	200	40	200		
	Sheroli nuts („)	...	...	...	...	...	...	5	13	5	13		
	Pomegranate seed („)	...	...	...	...	...	...	40	80	40	80		
	Stone (cubic feet)	...	...	1,200	5	...	...	...	...	1,200	5		
	Slates (No.)	...	...	1,576	4	...	...	...	...	1,576	4		

Form No. 55.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1891-92—*continued.*

Division.	Description of Produce.	Produce removed or utilized.										Remarks.
		By Government Agency.		*By Purchasers.*		*By Free grants.*		*By Right-holders.*		*Total.*		
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs.		Rs.		Rs.		Rs.	
UNCLASSED STATE FORESTS—*concluded.*												
Bashahr ...	Grass and other fodder (maunds)	...	...	...	...	...	...	34,31,000	17,870	34,31,000	17,870	
	Branches, &c., for manure (maunds)	...	...	...	...	...	...	6,00,000	6,250	6,00,000	6,250	
	Other minor produce (maunds)	...	...	...	...	...	...	500	2,500	500	2,500	
Jhelum	Grazing by leases (acres)	...	...	1,32,951	3,017	...	...	...	...	1,32,951	3,017	
	„ by settlement (cattle)	...	...	...	...	122	14	30,266	1,994	30,388	2,008	
	Grass cutting by settlement (men)	...	...	...	...	3	2	...	...	3	2	
	Stone (cubic feet)	...	...	4,375	11	...	...	...	...	4,375	11	
	Other minor produce (maunds)	...	...	265	27	...	...	...	...	265	27	
Chenab	Grazing by leases (acres)	...	...	1,22,298	30,487	...	...	...	...	1,22,298	30,487	
	„ by permits (cattle)	...	...	25,847	7,460	...	...	...	...	25,847	7,460	
	Grass cutting (acres)	...	...	374	289	...	...	...	...	374	289	
	„ „ by permits (loads)	...	...	60	3	...	...	...	...	60	3	Head loads ... .. 45 Donkey „ 15 60
	Mallah leaves by leases (acres)	...	...	8,997	80	...	...	...	...	8,997	80	
	„ „ (head loads)	...	...	4	1	...	...	...	...	4	1	
	Pilchi (acres)	...	...	228	21	...	...	...	...	228	21	
	Other minor produce (seers)	...	...	141	12	...	...	...	...	141	12	
Lahore	Grazing (acres)	...	...	...	...	960	210	...	...	960	210	
	„ by leases (acres)	...	...	72,206	12,100	...	...	...	...	72,206	12,100	
	„ by permits (cattle)	...	...	43,560	25,156	...	...	...	...	43,560	25,156	
	Grass by permits (maunds)	...	...	164	41	...	...	...	...	164	41	
	„ „ (loads)	...	...	10	12	...	...	...	...	10	12	Cart loads ... ... 6 Pony „ 4 10

	Grass by leases (acres)	...	...	1,600	1,040	...	...	...	...	1,600	1,040	
	Munj, kána by leases (acres)	...	...	26,896	1,048	...	...	...	...	26,896	1,048	
	Sarkána by permits (head loads)	...	...	295	18	...	...	...	...	295	18	
	Mallah leaves by leases (acres)...	...	...	2,833	110	...	...	...	...	2,833	110	
	Lána by leases (acres)	...	...	500	36	...	...	...	...	500	36	
	Saltpetre	...	...	...	28	..	...	...	...	...	28	
	Grass (loads)	...	...	20	2	...	...	...	...	20	2	Head loads.
	„ (maunds)	30	4	...	...	...	...	...	..	30	4	
	Grazing by permits (No. of cattle)	...	...	7,396	2,063	...	...	...	...	7,396	2,063	
	„ by leases (acres)	...	...	75,284	4,896	...	...	...	...	75,284	4,896	
MULTAN ...	Munj, kána (maunds)	...	...	356	333	...	...	...	..	356	333	
	Fruits (maunds)	...	...	2	5	...	...	...	...	2	5	
	Sajji „	...	...	10	4	...	...	...	...	10	4	
	Káhi „	...	...	20	4	...	...	...	...	20	4	
	Other minor produce (maunds)	...	...	129	29	...	...	..	...	129	29	
	Grazing by leases (acres)	...	...	4,85,149	27,803	...	...	...	...	4 85,149	27,803	
	Munj, kána (acres)	...	...	96,088	348	...	...	...	...	96,088	348	
	„ (loads)	...	...	48	5	...	...	...	...	48	5	
MONTGOMERY ...	Máin (acres)	...	...	4,85,149	767	...	...	...	...	4,85,149	767	
	Mallah leaves (acres)	...	...	60,720	30	...	...	...	...	60,720	30	
	Saltpetre (pans)	...	...	18	600	...	...	...	...	18	600	
	Other minor produce (maunds)	...	...	3,550	20	...	...	..	..	3,550	20	
AMBALA ...	Grazing (No. of cattle)	...	...	82	76	...	...	...	...	82	76	
	Grass cutting by leases (acres)	...	...	734	1,462	...	...	...	...	734	1,462	
SIMLA HILL TRACTS	Grass (maunds)	230	172	580	113	...	...	...	...	810	285	
	Total from Unclassed State Forests ...	27,160	813	18,65,247	1,23,669	1,085	226	82,16,620	91,800	1,01,10,112	2,16,508	
	ABSTRACT FOR RESERVED FORESTS.											
	Grazing	...	...	...	41,267	...	103	...	49,571	...	90,941	
	Grass	...	...	...	28,448	...	156	...	3,234	...	31,838	
	Bamboos	...	12,191	...	17	...	...	...	...	...	12,208	
	Other minor produce	...	200	...	5,273	...	11,443	...	50	...	16,966	
	Total ...	...	12,391	...	75,005	...	11,702	...	52,855	...	1,51,953	
	ABSTRACT FOR PROTECTED FORESTS.											
	Grazing	...	...	...	29,102	...	...	...	87,014	...	1,16,116	
	Grass...	...	...	...	26	...	...	...	...	...	26	
	Other minor produce	...	...	...	577	...	...	...	...	...	577	
	Total ...	...	...	...	29,705	...	...	...	87,014	...	1,16,719	

Form No. 55.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1891-92—*concluded.*

Division.	Description of Produce.	Produce removed or utilized										Remarks.
		By Government Agency.		*By Purchasers.*		*By Free grants.*		*By Right-holders.*		*Total.*		
		Quantity.	Value	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
			Rs.		Rs.		Rs.		Rs.		Rs.	
	ABSTRACT FOR UNCLASSED STATE FORESTS.											
	Grazing	...	...	...	1,16,342	...	224	..	6,619	...	1,23,185	
	Grass	...	176	...	3,765	...	2	.	44,370	...	48,313	
	Bamboos	...	637	...	9	...	...	...	...	...	646	
	Other minor produce	...	...	..	3,553	...	...	...	40,811	...	44,364	
	Total	...	813	...	1,23,669	...	226	...	91,800	...	2,16,508	
	GRAND TOTAL	...	13,204	...	2,28,379	...	11,928	...	2,31,669	...	4,85,180	
	Total for 1890-91	...	13,061	...	2,29,929	...	6,801	...	2,27,128	...	4,76,919	

Rs.
4,85,180

Add—

			Rs.	Rs.
Hazára	Division—	Outstanding of former years ...	36	
Do.	do.	Value of last year's produce ...	5	
Jhelum	do.	Outstanding of former years ...	37	
Chenáb	do.	Do. do. ...	7,224	
Lahore	do.	Do. do. ..	1,771	
Montgomery	do.	Do. do. ...	15.927	
Simla Hill Tracts		Value of last year's produce ...	37	
				25,037

Deduct—

			Rs.	Rs.
Hazára	Division—	Outstanding of 1891-92 ...	23	
Do.	do.	Value of produce unsold ...	28	
Do.	do.	Do. written off ...	48	
Chenáb	do.	Outstanding of 1891-92 ...	4,549	
Lahore	do.	Do. do. ...	12	
Do.	do.	Amount received in advance during last year	295	
Multan	do.	Outstanding of 1891-92 ...	10	
Montgomery	do.	Do. do. ...	18,424	
Simla Hill Tracts		Value of produce unsold ...	172	
		Total under "Free grants" and "Right-holders" ...	2,43,597	
				2,67,158
		Net deduction ...		2,42,121
		Total Receipts under I *c*, I *e*, II *c*, II *d*, II *e* and Part III (Rs. 5)		2,43,059

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazára Division.				
Deodar logs ..	1,487	77,048		
Pine and other logs	2,498	56,092		
Deodar sleepers .	3	10		
Deodar scantlings	163	240		
Pine and other scantlings ...	6,928	9,167		
			11,079	1,42,557
Chamba Division.				
Deodar logs ...	618	28,718		
Deodar sleepers and scantlings ...	32,576	1,03,715		
Pine and other trees	1	11		
			33,195	1,32,444
Kángra Division.				
Deodar logs ...	1,032	41,598		
Pine and other logs	38	910		
B. G. sleepers ...	6,770	20,310		
N. G. sleepers ...	813	1,620		
Miscellaneous pieces	120	176		
			8,773	64,614
Kulu Division.				
Deodar trees ...	20	2,060		
			20	2,060
Bashahr Division.				
Deodar logs ...	751	20,053		
Pine and other logs	12	376		
B. G. sleepers ...	2,704	9,383		
Box-wood logs ...	8,975	5,647		
			12,442	35,459
Jhelum Division.				
Deodar logs ...	2,773	89,287		
Pine and other logs	385	7,394		
Sleepers	2,917	10,108		
Miscellaneous pieces	19	41		
			6,094	1,06,830
Chenab Division.				
Deodar logs ...	196	1,785		
Pine and other logs	208	1,723		
B. G. sleepers ...	5	15		
Pine sleepers ...	1	3		
Miscellaneous pieces	869	3,294		
			1,279	6,820
Lahore Division.				
Logs	1,967	15,847		
			1,967	15,847
Ambala Division.				
Deodar logs ...	10,486	2,48,842		
Pine and other logs	1,800	26,186		
B. G. sleepers ...	21,855	75,857		
N. G. sleepers ...	790	1,051		
Box-wood logs ...	24	17		
Scantlings (confiscated) ...	181	356		
Miscellaneous pieces	4,442	13,196		
			39,578	3,65,505
Carried over ...			1,14,427	8,72,136

TIMBER.

DISPOSALS

(1).—TRUE DISPOSALS.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Removed by Purchasers from Depôts.				
Pine and other trees	2	51		
Deodar logs ...	14,287	2,87,975		
Pine and other logs	6,900	76,697		
Box-wood logs ...	460	280		
B. G. sleepers ...	34,886	1,15,791		
N. G. „ ...	1,775	2,939		
Deodar „ ...	31	102		
Sleepers	3,028	10,273		
Pine sleepers ...	23	67		
Deodar sleepers and scantlings ..	85,813	2,63,478		
Deodar scantlings	738	803		
Pine and other scantlings ...	14,055	16,502		
Deodar poles ...	93	16		
Pine and other poles	8	25		
Pieces of wood ...	50	20		
Drift and waif wood	252	678		
Miscellaneous pieces	7,858	25,643		
Planks	4	4		
			1,69,763	8,01,503
Used by Department.				
Deodar logs ...	89	1,700		
Pine and other logs	7	129		
Sleepers	1	3		
Deodar sleepers and scantlings ...	1,475	1,388		
Pine and other scantlings ...	621	719		
Miscellaneous pieces	607	621		
			2,800	4,560
Made over to Contractors.				
Pine and other logs	1	23		
Miscellaneous pieces	126	522		
			127	545
Lost by Wastage.				
Deodar trees		1,80,820		
Pine and other trees ...		13,656		
Deodar logs		1,57,749		
Pine and other logs ...		8,386		
Deodar poles		33		
			...	3,10,644
Lost by Re-measurement.				
Deodar logs		8,691		
Pine and other logs ...		687		
Deodar sleepers and scantlings		2		
Pine and other scantlings		74		
			...	9,454
Carried over ...			1,72,690	11,26,706

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

Particulars.	No. of quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Brought forward ...	...	...	1,14,427	8,72,136
Simla Hill Tracts.				
Deodar scantlings	881	908	881	908
TOTAL BALANCE ...			1,15,308	8,73,044
RECEIPTS.				
(1) TRUE RECEIPTS.				
Received from Forests during the year.				
Deodar trees ...	2,353	7,20,912		
Pine and other trees	144	33,942		
Deodar logs ...	11,115	4,19,029		
Pine and other logs	2,074	58,248		
B. G. sleepers ...	10,180	35,324		
Deodar sleepers and scantlings ...	2,323	1,848		
Pine and other scantlings ...	8,128	10,087		
Deodar poles ...	110	114		
Pine and other poles	57	30		
Miscellaneous pieces	2,055	14,063	38,539	12,04,003
Omitted in previous Returns.				
Sleepers ...	110	147		
Deodar scantlings...	629	2,198	739	2,345
Received by collection of Drift and Waif on the Beas.				
Drift wood ...	16	57		
Waif „ ...	20	212	36	269
Received in Forest cases.				
Sleepers	1	3		
Miscellaneous pieces	18	93	19	96
Gained by Re-measurement.				
Deodar logs ...	...	1,629		
Pine and other logs	...	1,683		
Pine and other scantlings ...	...	32	...	3,344
Drift timber transferred to Government account.				
Deodar logs ...	640	7,264		
Pine and other logs	552	6,156		
B. G. sleepers ...	379	1,168		
N. G. „ ...	80	107		
Deodar „ ...	28	92		
Sleepers ...	169	605		
Deodar sleepers and scantlings ...	40	81		
Pine sleepers ...	22	64		
Pine and other scantlings ...	97	192		
Miscellaneous pieces	1,884	7,057		
Drift and waif ...	219	454	4,110	23,240
Carried over ...			43,443	13,23,297

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Brought forward ...	...	...	1,72,690	11,26,706
Struck off for other causes.				
Pine and other logs	2,246	44,912		
B. G. sleepers ...	29	102		
N. G. sleepers ...	3	7		
Pine and other scantlings ...	247	278	2,525	45,299
Despatched from Forests but not yet received.				
Deodar logs ...	2,113	1,70,007		
Pine and other logs	290	26,022		
B. G. sleepers ...	3,221	11,394		
Pine and other scantlings ...	1,477	3,921		
Miscellaneous pieces	1,451	13,459	8,552	2,24,803
TOTAL TRUE DISPOSALS ...	...	...	1,83,767	13,96,808
(2) CROSS DISPOSALS.				
Transferred to other Classes.				
Deodar trees ...	1,269	2,44,307		
Pine and other trees	140	19,423		
Deodar logs ...	7,218	1,16,627		
Pine and other logs	470	8,417		
Sleepers ...	54	181		
Pine and other scantlings ...	110	326		
Deodar poles ...	17	65		
Sleeper pieces ...	...	317		
Miscellaneous pieces	3	15	9,281	3,89,678
Transferred to other Depôts.				—
Deodar logs ...	8,165	1,93,672		
Pine and other logs	1,481	27,655		
B. G. sleepers ...	10,508	36,124		
N. G. „ ...	415	785		
Sleepers	5,260	17,722		
Deodar sleepers and scantlings ...	52,338	1,69,657		
Deodar scantlings	108	77		
Pine and other scantlings ...	21,373	26,700		
Miscellaneous scantlings ...	16	24		
Deodar poles ...	93	16		
Pine and other poles	57	36		
Miscellaneous pieces	57	62	99,871	4,72,530
Erroneously struck off.				
Pine and other scantlings ...	22	17	22	17
TOTAL CROSS DISPOSALS ...	...	...	1,09,174	8,62,225
TOTAL DISPOSALS ...			2,92,941	22,59,033

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OF COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

Particulars	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Brought forward ...			43,443	13,23,297
UNMARKED TIMBER RECEIVED DURING THE YEAR.				
Deodar logs ...	395	10,881		
Pine and other logs	647	11,027		
Sleepers	87	264		
Miscellaneous pieces	662	411		
Planks	4	4		
			1,795	25,587
RECEIVED BY CONFISCATION.				
Pieces of wood ...	50	20		
			50	20
RECEIVED IN DEPÔT COMPOUND.				
Kikar tree ...	1	40		
			1	40
RECEIVED FROM PREVIOUS LAUNCHINGS.				
Deodar logs ...	2,551	64,789		
Pine and other logs	410	3,913		
B. G. sleepers ...	12	36		
N. G. ,, ...	129	201		
Sleepers ..	51	171		
Deodar sleepers and scantlings ..	36,997	1,11,943		
Miscellaneous scantlings ...	16	24		
Miscellaneous pieces	2,092	6,708		
			42,258	1,87,785
TOTAL TRUE RECEIPTS ...	...	...	87,547	15,36,729
(2) CROSS RECEIPTS.				
RECEIVED BY TRANSFER FROM OTHER CLASSES.				
Deodar logs ...	6,481	2,34,493		
Pine and other logs	1,881	21,747		
B. G. sleepers ...	2,474	8,589		
N. G ,, ...	206	376		
Deodar sleepers and scantlings ..	36,152	1,13,750		
Deodar scantlings	24	65		
Pine and other scantlings ...	5,917	8,076		
Sleeper pieces ...	...	4,417		
Pine and other poles	8	25		
Miscellaneous pieces	131	394		
			53,274	3,91,932 (a)
RECEIVED BY TRANSFER FROM OTHER DEPÔTS.				
Deodar logs ...	8,165	1,93,672		
Pine and other logs	1,481	27,655		
B. G. sleepers ...	10,508	36,124		
N. G. ,, ...	415	785		
Sleepers ...	5,260	17,722		
Deodar sleepers and scantlings ...	52,338	1,69,657		
Deodar scantlings	108	77		
Pine and other scantlings ..	21,373	26,700		
Miscellaneous scantlings ...	16	24		
Deodar poles ...	93	16		
Pine and other poles	57	36		
Miscellaneous pieces	57	62		
			99,871	4,72,530
Carried over ...			1,53,145	8,64,462

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE AT CLOSE OF THE YEAR.				
Hazára Division.				
Oak trees ...	4	863		
Deodar logs ..	1,777	86,092		
Pine and other logs	233	10,283		
Deodar scantlings	56	65		
Pine and other scantlings ...	4,729	6,855		
			6,799	1,05,058
Chamba Division.				
Forest Depôts—				
Deodar trees ...	1,081	3,49,885		
Deodar logs ...	288	5,949		
Deodar sleepers ...	90	312		
Sale Depôts—				
Deodar logs ...	569	28,600		
Pine and other logs	2	30		
Deodar sleepers and scantlings ...	21,104	67,623		
Deodar scantlings	259	297		
Pine and other scantlings ..	64	72		
			23,460	4,52,774
Kangra Division.				
Deodar logs ...	221	10,151		
Pine and other logs	1	24		
B. G. sleepers ...	2,383	8,268		
N. G. ,, ...	177	331		
Miscellaneous scantlings ...	16	24		
Miscellaneous pieces	46	46		
Drift and waif wood	3	45		
			2,847	18,889
Kulu Division.				
Deodar trees ...	20	2,000		
			20	2,000
Bashahr Division.				
Deodar logs ...	937	29,932		
Pine and other logs	154	4,500		
Box-wood logs ...	8,515	5,358		
B. G. sleepers ...	4,130	14,331		
			13,736	54,121
Jhelum Division.				
Deodar logs ..	2,161	70,658		
Pine and other logs	469	11,475		
Sleepers	252	841		
Miscellaneous pieces	65	179		
			2,947	83,153
Chenáb Division.				
Deodar logs ...	190	1,313		
Pine and other logs	205	2,051		
B. G. sleepers ...	5	15		
Miscellaneous pieces	477	1,767		
			877	5,146
Lahore Division.				
Logs	416	4,597		
			416	4,597
Carried over ...			51,102	7,25,798

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Brought forward ...			1,53,145	8,04,462	*Brought forward* ...			51,102	7,25,798
ERRONEOUSLY STRUCK OFF BUT AGAIN RECOVERED.					*Ambala Division.*				
					Deodar logs ...	8,675	2,69,066		
					Pine and other logs	1,078	16,069		
Pine and other scantlings ...	22	17			B. G. sleepers ...	197	684		
					N. G. „ ...	53	71		
			22	17	Box-wood logs ..	24	17		
					Confiscated B. G. sleepers ...	28	97		
					Confiscated N. G. sleepers ...	10	13		
TOTAL CROSS RECEIPTS ...	...	...	1,53,167	8,04,479	Confiscated scantlings	5	9		
					Miscellaneous pieces	1,659	3,175		
								11,720	2,80,201
					Simla Hill Tracts.				
					Deodar scantlings	250	220		
								250	220
TOTAL RECEIPTS		...	2,40,714	24,01,208	**TOTAL BALANCE**		...	63,081	10,15,219
GRAND TOTAL	...	...	3,56,022	32,74,252	**GRAND TOTAL**	...	...	3,56,022	32,74,252
Total for 1890-91 ...	...	...	3,46,989	29,12,373	Total for 1890-91...	...	...	3,46,989	29,12,373

ABSTRACTS.

BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.	...	...	1,15,308	8,73,044					
TOTAL BALANCE		...	1,15,308	8,73,044					
RECEIPTS.					**DISPOSALS.**				
(1).—TRUE RECEIPTS.					(1).—TRUE DISPOSALS.				
Received from forests during the years ...	...	...	38,539	12,94,003	Removed by purchasers from Depôts ...	...	...	1,69,763	8,01,503
Omitted in previous returns ...	...	...	739	2,345	Used by Department ...	...	...	2,800	4,560
Received by collection of drift and waif on the Beás	...	...	36	269	Made over to contractors ...	...	...	127	545
Received in forest cases ...	...	...	19	96	Lost by wastage...	...	...	...	3,10,644
Gained by re-measurement ...	...	...	...	3,344	„ by re-measurement ...	...	...	...	9,454
Drift timber transferred to Government account ...	...	...	4,110	23,240	Struck off for other causes ...	...	...	2,525	45,209
Unmarked timber received during the year ...	...	...	1,795	25,587	Despatched from forests, but not yet received ...	...	...	8,552	2,24,803
Received by confiscation ...	...	...	50	20					
Received in Depôt compound ...	..	...	1	40					
Received from previous launchings	...	...	42,258	1,87,785					
TOTAL TRUE RECEIPTS ...	...	...	87,547	15,36,729	TOTAL TRUE DISPOSALS ...	...	...	1,83,767	13,96,808

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

Particulars.	No. or quantity.	Cubic feet.	Total of each head.		Particulars.	No. or quantity.	Cubic feet.	Total of each head.	
			No. or quantity.	Cubic feet.				No. or quantity.	Cubic feet.
(2.) CROSS RECEIPTS					(2.) CROSS DISPOSALS.				
Received by transfer from other classes ...	...	...	53,274	3,91,932	Transferred to other classes ...	...	...	9,281	3,89,078
Received by transfer from other Depôts ..	.	...	99,871	4,72,530	Transferred to other Depôts ...	...	...	99,871	4,72,530
Erroneously struck off, but again recovered ..	..	...	22	17	Erroneously struck off	...	...	22	17
TOTAL CROSS RECEIPTS ..	...	.	1,53,167	8,64,479	TOTAL CROSS DISPOSALS...	...	..	1,09,174	8,62,225
TOTAL RECEIPTS		.	2,40,714	24,01,208	**TOTAL DISPOSALS**		...	2,02,941	22,59,033
					BALANCE AT CLOSE OF THE YEAR	...		63,081	10,15,219
GRAND TOTAL	...	...	3,56,022	32,74,252	**GRAND TOTAL**	...	...	3,56,022	32,74,252
Total for 1890-91...	...	..	3,46,989	29,12,373	Total for 1890-91	...	...	3,46,989	29,12,373

(a). 2,254 cubic feet solid transferred from firewood.

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

FIREWOOD AND CHARCOAL.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazára Division.				
Firewood ...	...	6,476		
Charcoal ...	...	1,794		
			...	8,270
Jhelum Division.				
Firewood ...	...	2,927		
			...	2,927
Lahore Division.				
Firewood ...	...	7,07,642		
			...	7,07,642
Multan Division.				
Firewood ...	...	1,13,402		
			...	1,13,402
Ambala Division.				
Firewood ...	...	3,385		
			...	3,385
TOTAL BALANCE	...		...	8,35,626
RECEIPTS.				
(1). TRUE RECEIPTS.				
Received from Forests during the year.				
Firewood ...	...	54,90,136		
Brushwood ...	...	51		
Charcoal ...	..	11,118		
			...	55,01,305
Received in sale and other Depots.				
Firewood ...	...	22,522		
			...	22,522
Gained by re-measurement.				
Charcoal ...	...	22,060		
			...	22,060
Received by confiscation.				
Firewood ...	...	5,748		
			...	5,748
TOTAL TRUE RECEIPTS ...	...	...	...	55,51,635
(2). CROSS RECEIPTS.				
Received by transfer from other Depôts.				
Firewood ...	...	9,19,415		
Brushwood ...	...	51		
Charcoal ...	...	12,214		
			...	9,31,680
Carried over ...	...	...	...	9,31,680

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
DISPOSALS.				
(1). TRUE DISPOSALS.				
Removed by Purchasers from Depots.				
Firewood ...	...	45,78,133		
Brushwood ...	...	51		
Charcoal ...	...	10,964		
Charcoal dust ...	...	1,287		
			...	45,90,435
Used by Department.				
Firewood ...	...	10,769		
			...	10,769
Lost by re-measurement, Dryage, &c.				
Firewood ...	...	1,900		
Charcoal ...	...	455		
			...	2,355
Made over to Contractors.				
Firewood ...	...	2,634		
			...	2,634
TOTAL TRUE DISPOSALS ...	...	...	...	46,06,193
(2). CROSS DISPOSALS.				—
Transferred to other Depots.				
Firewood ...	...	9,19,415		
Brushwood ...	...	51		
Charcoal ...	...	12,214		
			...	9,31,680
Transferred to other Classes.				
Firewood ...	...	(a) 3,285		
Charcoal ...	...	1,461		
			...	4,746
TOTAL CROSS DISPOSALS ...	...	...	...	9,36,426
TOTAL DISPOSALS ...			...	55,42,619

(a). 3,285 cubic feet fuel are made up and transferred to other classes thus—
275 cubic feet solid transferred to timber.
3,010 cubic feet stacked = 1,979 cubic feet solid transferred to timber.

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92—CONTINUED.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
Brought forward ...	...	...	...	9,31,680	BALANCE AT CLOSE OF THE YEAR.				
RECEIVED BY TRANSFER FROM OTHER CLASSES.					*Hazára Division.*				
					Firewood ...	.	6,397		
					Charcoal ...	...	37		
					Charcoal dust ...	...	174	...	6,608
Charcoal dust ...	...	1,461			*Chamba Division.*				
					Firewood ...	...	2,502	...	2,502
			..	1,461	*Jhelum Division.*				
					Firewood ...	...	3,006	.	3,006
					Lahore Division.				
					Firewood ..	...	16,89,311	...	16,89,311
TOTAL CROSS RECEIPTS ...	...	...	...	9,33,141	*Multan Division.*				
					Firewood ...	..	74,269	...	74,269
					Ambala Division.				
					Firewood ...	..	2,087	..	2,087
TOTAL RECEIPTS		...	...	64,84,776	TOTAL BALANCE		...	...	17,77,783
GRAND TOTAL	...	...	...	73,20,402	GRAND TOTAL	...	.	.	73,20,402
Total for 1890-91...	...	...	...	69,93,143	Total for 1890-91...	...	...	..	69,93,143

BAMBOOS.

BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.					DISPOSALS.				
					TRUE DISPOSALS.				
					REMOVED BY PURCHASERS.				
Ambala Division.					Bamboos ...	6,73,900	...		
Confiscated bamboos	534	...			Confiscated bamboos ...	409	...	6,74,309	...
,, bamboo pieces ...	65	...							
			599	...	USED BY DEPARTMENT.				
TOTAL BALANCE		...	599	...					
					Confiscated bamboos ...	125	...		
RECEIPTS.					Confiscated bamboo pieces ...	65	...		
TRUE RECEIPTS.								190	...
RECEIVED FROM FORESTS DURING THE YEAR.					TOTAL TRUE DISPOSALS ..	...	...	6,74,499	...
Bamboos ...	6,73,900	...							
			6,73,900	..	TOTAL DISPOSALS		...	6,74,499	...
TOTAL TRUE RECEIPTS ...	...	...	6,73,900	...					
TOTAL RECEIPTS		...	6,73,900	...					
GRAND TOTAL	...	...	6,74,499	...	GRAND TOTAL	...	...	6,74,499	...
Total for 1890-91...	...	...	6,56,364	...	Total for 1890-91...	...	...	6,56,364	...

Form No. 56.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, OR SOLD LOCALLY, DURING THE YEAR 1891-92.—CONTINUED.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazdra Division.				
Shingles .	92,000	601		
Turpentine (mds).	1	...		
Kalbir roots (7 seers)	...	..		
Bed legs (No.) ..	8	...		
Dhajjies „ ...	20	...		
			92,029	601
TOTAL BALANCE		...	92,029	601
RECEIPTS.				
(1). TRUE RECEIPTS.				
Received from Forests during the year.				
Shingles . ..	59,380	387		
Turpentine (mds.)	7	...		
Kuth roots „	13	...		
Podophyllum emodi roots (mds.)	7	...		
Grass „	260	...		
			59,667	387
Received by confiscation.				
Grass .	8	..		
			8	..
Omitted in previous Returns.				
Grass (mds.) ...	59	...		
			59	...
TOTAL TRUE RECEIPTS ...	...	...	59,734	387
(2). CROSS RECEIPTS.				
Received by transfer from other Depôts..				
Shingles ...	60,260	393		
Turpentine (mds.)	14	.		
Kuth roots („)	26	...		
Podophyllum emodi roots (mds)	9	...		
			60,309	393
TOTAL CROSS RECEIPTS ..	..	...	60,309	393
TOTAL RECEIPTS		...	1,20,043	780
GRAND TOTAL		...	2,12,072	1,381
Total for 1890-91...	...	...	3,06,267	1,926

MISCELLANEOUS PRODUCE.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
DISPOSALS.				
(1). TRUE DISPOSALS.				
Removed by Purchasers.				
Shingles	1,25,485	819		
Turpentine (mds.)	8	..		
Kuth roots „	13	...		
Kalbir roots (7 seers)	...	...		
Bed legs (No.) ...	8	...		
Dhajjies „ ...	20	...		
Grass (mds.) ...	82	...		
			1,25,616	819
Used by Department.				
Shingles	11,705	76		
			11,705	76
Lost by dryage, &c.				
Grass (mds) ...	15	...		
			15	...
TOTAL TRUE DISPOSALS.	...	...	1,37,336	895
(2). CROSS DISPOSALS.				
Transferred to other Depots.				
Shingles	60,260	393		
Turpentine (mds.)	14	...		
Kuth roots „	26	...		
Podophyllum emodi roots (mds)	9	..		
			60,309	393
TOTAL CROSS DISPOSALS .	.	...	60,309	393
TOTAL DISPOSALS		...	1,97,645	1,288
BALANCE AT CLOSE OF THE YEAR.				
Hazdra Division.				
Shingles ...	14,190	93		
Podophyllum emodi roots (mds.)	7	...		
			14,197	93
Simla Hill Tracts.				
Grass (mds.) ...	230	...	230	...
TOTAL BALANCE		..	14,427	93
GRAND TOTAL	...	...	2,12,072	1,381
Total for 1890-91 ..	...	...	3,06,267	1,926

Form No. 57 A.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE YEAR 1891-92.

Description of Timber and other Produce.	*On hand at commencement of the year.*			*On hand at close of the year.*			*Difference in value.*		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favor of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
TIMBER.									
SALE DEPÔTS.									
Deodar (logs)	15,092	4,09,859	2,18,424	11,816	3,70,794	1,98,412	...	20,012	
Pine „	2,425	36,163	6,391	1,754	29,638	5,586	...	805	
Boxwood „	8,999	5,664	13,538	8,539	5,375	12,784	...	754	
Deodar scantlings	5,115	8,355	7,551	2,787	6,635	4,153	...	3,398	
Pine scantlings and others.	960	1,584	1,051	3,050	4,625	3,092	2,041	...	
Miscellaneous scantlings.	...	..	...	16	24	4	4	...	
Deodar B. G. sleepers ...	59,062	2,01,652	1,15,496	19,815	68,722	43,933	...	71,563	
N. G. „ „ ...	1,603	2,077	1,406	230	402	230	...	1,176	
Pine „ „ ...	1	3	1	...	...	...	...	1	
Deodar beam	...	...	...	5	34	17	17	...	
Pine „	...	...	...	3	14	3	3	..	
Scraps and pieces ...	4,565	15,774	3,468	2,588	6,019	1,795	...	1,673	
Shingles	41,670	273	311	...	...	...	...	311	
Dhajjies	20	...	...	...	...	...	...	...	
Total ...	1,39,512	6,82,004	3,67,637	50,603	5,01,282	2,70,009	...	97,628	
FOREST DEPÔTS.									
Deodar trees	20	2,060	300	1,104	3,51,945	32,820	32,520	..	
Pine and other trees ..	1	11	3	4	863	24	21	...	
Deodar logs	2,251	97,472	34,067	3,002	1,22,873	52,707	18,640	...	
Pine and other logs ...	4,477	72,315	10,029	804	19,391	3,968	...	6,061	
Deodar scantlings ...	80	80	60	291	259	263	203	...	
Pine and other scantlings.	6,627	8,237	3,755	...	...	...	...	3,755	
Miscellaneous scantlings.	...	...	...	1,762	2,336	942	942	...	
B. G. sleepers	2,730	9,473	4,108	4,220	14,643	6,375	2,267	...	
N G. „	3	12	1	...	...	...	...	1	
Miscellaneous pieces ...	1,297	1,653	3	1,291	1,627	...	...	3	
Shingles	50,330	328	201	14,190	93	53	...	148	
Total ...	67,816	1,91,641	52,527	26,668	5,14,030	97,152	44,625	...	
TOTAL TIMBER ...	2,07,328	8,73,645	4,20,164	77,271	10,15,312	3,67,161	...	53,003	
FIREWOOD, CHARCOAL, BAMBOOS, &c.									
SALE DEPÔTS.									
Turpentine (maunds) ...	1	...	8	...	...	...	...	8	
Podophyllum emodi roots (maunds)	...	...	...	7	...	28	28	...	
Firewood (cubic feet) ...	...	1,19,134	6,110	...	2,19,530	12,390	6,280	...	
Bamboos	599	...	16	...	...	...	...	16	
Charcoal (cubic feet) ...	...	...	...	...	37	5	5	...	
dust „ ...	...	...	...	...	174	3	3	...	
Total ...	600	1,19,134	6,134	7	2,19,741	12,420	6,292	...	
FOREST DEPÔTS.									
Firewood (cubic feet) ...	...	7,14,698	41,500	...	15,58,042	90,538	49,038	...	
Charcoal „ ...	...	1,794	129	...	...	...	...	129	
Grass (maunds) ...	...	...	...	230	...	172	172	...	
Total ...	...	7,16,492	41,629	230	15,58,042	90,710	49,081	...	
Total Firewood ...	600	8,35,626	47,763	237	17,77,783	1,03,136	55,373	...	
GRAND TOTAL ...	...	...	4,67,927	...	...	4,70,297	2,370	...	
TOTAL FOR 1890-91 ...	...	...	5,21,020	...	...	4,67,927	...	53,093	

Form No. 57 B.

ABSTRACT SHOWING THE VALUE OF LIVE AND DEAD STOCK FOR THE YEAR 1891-92.

	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favor of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
DEAD STOCK.									
Hazára Division ...	1,008	...	9,301	1,111	...	8,976	...	325	
Ráwalpindi „ ...	706	...	1,054	816	...	1,243	189	...	
Chamba „ ...	5,556	..	2,932	4,847	...	3,081	149	...	
Kángra „ ...	1,146	..	6,669	1,129	...	6,674	5	...	
Kulu „ ...	1,718	...	3,244	1,720	...	3,347	103	...	
Bashahr „ ...	1,107	...	4,937	1,136	...	4,822	...	115	
Jhelum „ ...	542	...	6,351	550	...	6,394	43	...	
Chenáb „ ...	...	...	7,364	...	...	7,364	...	...	
Lahore „ ...	3,540	...	19,717	3,663	...	19,583	...	184	
Multan „ ...	596	..	1,509	548	...	1,563	54	...	
Montgomery „ ...	284	...	1,240	295	...	1,371	131	...	
Ambala „ ...	14,241	...	1,768	4,009	...	1,225	...	543	
Direction „ ...	230	...	2,979	311	...	3,300	321	...	
Working Plans „ ...	138	...	725	199	...	727	2	...	
Total ...	...	...	69,790	...	...	69,620	...	170	
LIVE STOCK.									
Bashahr Division ...	4	...	580	4	...	580	...	...	
Chenáb „ ...	2	...	50	2	...	68	18	...	
Lahore „ ...	5	...	25	5		15	...	10	
Total ...	...	...	655	...	...	663	8	...	
GRAND TOTAL ...	...	...	70,445			70,283	...	162	
TOTAL FOR 1890-91 ...	...	...	62,459	...	...	70,445	7,986	...	

Form No. 58.

SUMMARY OF REVENUE OF THE DIFFERENT DIVISIONS DURING 1891-92.

Budget Heads.	Direction Division.			Bashahr Division.			Ambala Division.			Kulu Division.			Kángra Division.			Chamba Division.			Lahore Division.			Montgomery Division.			Multan Division.			Chenáb Division.			Jhelum Division.			Ráwalpindi Division.			Hazára Division.			Total.		
RECEIPTS.	Rs.	A.	P.	Rs.	A.	P	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P	Rs.	A.	P.	Rs.	A.	P.	Rs.	A	P	Rs.	A	P.	Rs.	A.	P.	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P.
I.—Timber and other produce removed from the Forests by Government Agency—																																								
a. Timber ...	502	4	6	749	11	9	1,18,423	15	0	6	14	0	38,459	4	9	2,03,411	5	7	8,659	7	6	...	...	...	8	12	0	594	6	11	42,781	6	3	...	...	...	7,179	8	10	4,15,777	1	1
b. Firewood and charcoal	...	...	...	...	...	...	130	3	6	...	...	...	97	12	0	477	4	5	52,820	11	1	1.29.542	14	10	57,134	11	8	...	...	...	20	8	0	...	...	...	2,890	8	11	2,43,114	10	5
c Bamboos ...	...	...	...	...	...	...	...	...	...	...	...	...	12,828	2	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12,828	2	7
d. Sandal-wood ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e. Grass and other minor produce ..	36	7	9	...	...	...	..	..	...	...	...	..	...	..	..	...	...	...	...	...	...	...	...	...	3	11	0	...	...	...	...	...	...	...	...	...	177	13	2	217	15	11
II.—Timber and other produce removed from the Forests by Consumers or Purchasers.																																								
a. Timber ...	805	5	0	...	..	..	...	..	...	899	6	0	9,000	12	6	513	12	9	899	0	0	984	3	6	286	2	0	...	..	..	27,13	0	9,603	7	5	6,316	4	1	29,336	1	9
b. Firewood and charcoal.	1	2	0	...	...	...	290	13	0	101	1	3	480	8	9	1,151	8	6	568	6	0	1,489	4	0	2,436	10	2	9,827	15	10	196	12	4	18,890	3	4	1,704	11	1	37,138	9	9
c. Bamboos ..	...	...	...	...	...	...	...	...	...	...	...	...	26	5	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*1,089	7	6	...	...	...	...	...	...	1,115	12	6
d. Grazing and fodder grass	112	11	6	...	..	..	2,021	12	0	208	3	7	5,501	12	7	403	2	6	49,571	10	11	34,252	13	7	9,574	3	0	85,978	14	9	13,114	7	6	8,836	15	10	10,199	11	4	2,19,776	6	7
e. Other minor produce ...	0	2	0	...	..	..	37	6	6	8	15	0	33	7	9	...	...	...	2,576	7	0	2,952	15	1	565	8	0	1,797	15	7	741	5	2	171	0	0	230	6	10	9,115	8	11
III.—Drift and waif wood and confiscated Forest produce	...	...	...	...	...	...	2,322	15	11	41	5	6	413	9	9	174	8	3	...	...	...	1	3	0	430	9	3	6,176	6	9	9,781	13	8	774	0	0	12	12	0	20,129	4	1
IV.—Revenue from Forests not managed by Government—																																								
a. Duty on foreign timber and other forest produce ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	..	.	.	...	.	.	2.134	11	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,092	8	0	3,227	3	0
V.—Miscellaneous—																																									
a. Fines and forfeitures ...	40	0	0	...	..	.	...	..	.	...	..	.	83	2	6	..	...	...	58	7	0	...	...	..	...	2	8	0	207	12	0	...	...	17	0	0	455	4	0	861	9	6
b. Refunds ...	1,548	2	7	1	11	2	22	8	11	9	14	0	20	1	0	546	15	1	6	6	0	...	...	...	2	8	0	8	5	0	1	5	0	7	3	2	0	8	0	2,175	7	11
c. Other sources ...	32	1	0	261	11	8	3,439	4	11	260	10	6	2,613	8	11	592	0	7	173	11	0	4,335	9	3	591	11	5	4,786	1	9	5,626	3	7	2,363	6	6	184	8	1	25,260	9	2
Total Receipts ..	3,678	4	4	1,013	2	7	1,26,688	15	9	1,536	5	10	71,693	3	1	2,07,270	8	8	1,10,333	12	6	1,73,559	14	9	71,034	6	6	1,09,377	14	7	73,391	2	0	40,663	4	3	30,444	8	4	10,20,074	7	2

* Rupees 1,069-7-6 were realized for grazing not bamboos, but by clerical error they were credited under II C and the mistake was discovered too late for correction by the Comptroller General.

J. BRIDGNELL,
Chief Superintendent, Forest Account Branch.

Calcutta,
The 15th June 1892.

Form No. 58.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING 1891-92.

Budget Heads.	Direction Division.	Bashahr Division.	Ambala Division.	Kulu Division.	Kángra Division.	Chamba Division.	Lahore Division.	Mont-gomery Division	Multan Division.	Chenáb Division.	Jhelum Division.	Ráwalpindi Division.	Hazára Division.	Total
A.—CONSERVANCY AND WORKS.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs A. P	Rs. A. P	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P
I.—Timber and other produce removed from the Forests by Government Agency—														
a. Timber ...	4,046 7 11	36,498 8 1	10,470 12 11	2,356 14 4	3,075 2 4	45,562 1 2	443 5 4	.. .. ..	.. .. ..	497 8 10	3,003 5 2	352 0 9	11,089 5 9	1,17,393 8 7
b. Firewood and charcoal	... ...	... ...	67 4 10	... ...	56 7 0	28 9 9	15,977 5 7	62.961 5 1	20.590 14 0	... ...	4 13 0	... ...	2,070 3 11	1,01,756 15 2
c. Bamboos ...	... ...	... ...	... ...	... ...	2.789 0 2	... ...	... ...	.. .. ..	.. .. ..	... ...	... ...	... ...	.. .. ..	2.789 0 2
d. Sandal-wood ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	.. .. ..	... ...	... ...	... ...	... ...
e. Grass and other minor produce ...	63 0 6	... ...	... ...	... ...	... ...	... ...	110 0 0	... ...	132 14 0	.. .. ..	... ...	... ...	129 5 2	435 3 8
II.—Timber and other produce removed from the Forests by Consumers or Purchasers	... .	... ...	... .	... ...	2 14 0	145 13 6	... ...	611 8 9	43 4 3	582 2 10	1 10 0	309 8 0	23 10 2	1.720 7 6
III.—Drift and waif wood and confiscated Forest Produce	... ...	33 6 9	1,437 7 10	... .	293 10 3	108 9 6	... ...	... ...	151 10 3	1.136 8 7	2,023 11 3	431 5 7	5 0 0	5.621 6 0
IV.—Revenue from Forests not managed by Government—														
a. Duty on foreign timber and other forest produce	... ...	... ...	... ...	... .	... ...	... .	... ...	... ...	... .	.. ..	... ...	... ...	... ...	... .
b. Revenue from shared and private forests ...	... .	... ...	.. ..	... .	... .	... .	... ...	... .	... .	... .	... .	... .	... .	... .
V.—Rent of leased Forests and payments to Shareholders in Forests managed by Government ...	... ...	10,150 0 0	455 0 0	24 0 0	2,581 4 0	21,000 0 0	... ...	... ...	... ...	.. ..	... ...	... ...	2,917 9 0	37,077 13 9
VI.—Live-stock, Stores, Tools and Plant—														
a. Purchase of cattle ...	... .	... ...	.. ..	... ...	... ...	... ...	... ...	... ...	... ...	43 8 0	... ...	.. .. ..	... ...	43 8 0
b. Feed and keep of cattle	... .	603 8 7	108 12 4	... ...	... .	... .. .	5 0 0	... ...	... ...	127 2 3	... ...	... ...	... ...	844 7 2
c. Purchase of stores, tools and plant ...	510 7 2	386 14 10	57 13 6	162 13 9	48 0 0	273 10 9	1,269 9 3	61 4 6	60 10 6	275 4 0	51 0 0	178 1 6	59 11 3	3,395 5 0

VII.—COMMUNICATIONS & BUILDINGS														
a. Roads and bridges ...	2 14 6	1,777 13 9	245 8 3	64 2 9	45 9 8	5,508 0 11	626 7 6	...	11 0 2	...	...	278 8 9	231 5 6	8,791 7 4
b. Buildings ...	30 5 6	1,252 10 1	524 4 4	353 13 8	677 1 8	1,443 7 6	1,981 2 5	73 7 0	298 14 11	63 2 1	342 8 9	679 1 11	502 4 10	8,232 4 8
c. Other works ...	0 7 0	19 10 0	158 5 1	0 7 6	12 0 0	22 1 3	...	...	...	...	...	32 12 6	23 12 0	275 7 4
VIII.—DEMARCATION, IMPROVEMENT AND EXTENSION OF FORESTS.														
a. Demarcation ...	...	380 6 9	26 11 3	159 8 6	556 13 0	396 12 10	378 2 7	2 1 0	375 5 6	95 5 6	245 2 0	617 15 3	384 3 6	3,618 8 2
b. Compensation for land and rights ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
c. Surveys and working plans ...	3,253 7 11	6,417 2 8	...	27 7 0	209 0 0	82 4 6	36 7 0	2 0 0	2 8 0	48 12 0	...	290 12 0	53 2 4	10,422 15 5
d. Sowing and planting ...	232 3 9	1,338 0 3	1,368 12 1	466 15 3	439 14 10	1,226 12 6	47,639 1 7	...	28 9 9	242 13 11	1 0 6	113 6 6	299 5 1	53,397 0 0
e. Protection from fire ...	1 0 0	125 12 8	512 14 4	143 10 8	299 4 7	260 12 6	...	59 4 1	446 4 10	...	...	26 7 3	106 7 3	1,981 14 2
f. Other works ...	...	340 13 9	92 5 3	148 13 0	32 10 6	604 3 0	...	8 15 0	205 4 3	73 3 6	...	93 0 5	31 4 0	1,630 9 5
IX.—MISCELLANEOUS—														
a. Refunds ...	138 12 0	...	...	13 3 6	45 0 0	31 13 0	...	51 14 0	...	609 8 0	...	...	27 4 0	917 6 6
b Law charges ...	...	10 0 0	0 12 0	...	...	...	...	32 8 0	...	...	0 12 0	0 15 0	4 15 9	49 14 9
c. Other charges ...	60 2 9	219 15 4	4 7 9	123 7 9	115 4 5	123 4 6	...	...	15 11 6	163 1 10	1 7 3	12 7 2	102 12 6	942 2 9
TOTAL A.—CONSERVANCY & WORKS.	8,339 5 0	59,554 11 6	15,531 3 9	4,045 6 5	11,229 0 9	76,818 5 2	68,466 9 3	63,564 3 5	22,352 15 11	3,958 2 4	5,675 5 11	3,434 6 7	18,067 9 6	3,61,337 5 6
B.—ESTABLISHMENT.														
I.—SALARIES—														
a. Conservators ...	12,348 6 2	...	...	...	...	...	...	...	...	...	...	...	...	12,348 6 2
b. Superior officers ...	16,048 11 5	8,366 10 8	8,269 6 2	6,821 3 9	11,833 13 11	6,700 0 0	5,324 10 5	2,400 0 0	6,388 11 4	6,600 0 0	7,538 12 3	3,000 0 0	10,096 12 4	99,388 12 3
c. Subordinate forest and depôt establishments ..	1,668 9 2	4,096 7 2	3,649 10 1	3,647 7 6	8,030 2 7	10,771 14 8	6,935 4 9	2,613 2 9	6,348 3 10	10,090 6 9	8,782 7 10	7,184 11 8	7,650 10 11	81,469 3 8
d. Office establishments ...	7,586 11 11	1,548 1 0	1,131 7 3	854 4 3	1,573 0 0	2,668 5 3	1,814 2 10	762 0 0	1,591 11 0	1,658 13 10	1,333 0 8	1,380 0 0	1,950 0 0	25,851 10 0
e. Deputation and special allowances ...	80 0 0	2,070 0 0	...	181 13 5	148 6 2	...	...	...	...	...	...	...	...	2,480 3 7
II.—TRAVELLING ALLOWANCES—														
a. Conservators ...	2,138 2 0	...	...	...	...	...	...	...	...	...	...	...	...	2,138 2 0
b. Superior officers ...	2,840 6 0	2,387 0 0	1,328 14 0	1,304 8 0	2,115 11 8	1,508 8 0	1,313 1 6	506 10 8	1,504 0 0	1,429 7 0	873 15 0	641 6 8	716 14 0	18,470 6 6
c. Subordinate forest and depôt establishments ...	1,013 10 8	1,396 8 0	483 12 11	497 0 4	337 1 5	998 3 7	524 4 11	402 3 3	874 11 1	1,474 14 3	832 15 5	740 4 7	800 8 8	10,376 3 1
d. Office establishments ...	879 5 3	675 6 9	436 12 1	197 4 8	492 10 6	294 6 4	281 15 4	164 12 2	136 13 2	341 8 7	109 3 5	150 13 4	191 5 4	4,352 4 11
III.—CONTINGENCIES—														
a. Stationery ...	91 13 6	72 8 0	118 13 6	103 11 3	141 15 9	124 7 3	44 7 3	41 1 6	54 14 6	125 5 0	58 6 11	104 14 6	50 10 0	1,133 0 11
b. Carriage of tents and records ...	756 12 6	502 4 9	169 0 6	242 11 9	722 1 6	442 11 1	22 3 0	150 4 11	170 7 6	133 11 1	109 1 6	102 10 8	237 13 6	3,761 14 3
c. Rents, rates and taxes ...	1,075 0 0	126 8 0	360 0 0	36 0 0	420 0 0	100 0 0	585 0 0	360 0 0	360 0 0	423 0 0	390 9 3	627 0 0	503 0 0	5,359 1 3
d. Pay of police guards ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e. Official postage ...	1,280 0 6	155 8 0	249 0 0	58 2 0	419 9 6	286 12 0	154 5 0	117 9 0	181 6 0	377 0 6	216 13 0	311 4 6	221 3 0	4,027 9 6
f. Sundries ...	1,710 2 6	1,634 6 10	439 5 8	409 13 0	316 7 1	218 5 11	376 15 6	299 5 7	314 7 5	854 9 1	306 10 8	264 9 4	635 3 2	7,78[illegible] 5 9
TOTAL B.—ESTABLISHMENTS ...	49,517 11 7	23,031 5 2	16,636 2 2	14,353 15 11	26,551 0 1	24,113 10 1	17,376 6 6	7,817 1 10	17,925 6 4	23,508 12 1	20,541 15 11	14,507 11 3	23,056 0 11	2,78,937 3 10
GRAND TOTAL OF EXPENDITURE ...	57,857 0 7	82,586 0 8	32,167 5 11	18,399 6 4	37,780 0 10	1,00,931 15 3	85,842 15 9	71,681 5 3	40,278 6 3	27,466 14 5	26,217 5 10	17,942 1 10	41,123 10 5	6,40,274 9 4

CALCUTTA,
The 15th June 1892.

J. BRIDGNELL,
Chief Superintendent, Forest Account Branch.

Form No. 59.

ACCOUNT CURRENT FOR THE YEAR 1891-92.

Dr. **Cr.**

	Rs.	A.	P.	Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.
To Cash Balance	...	..	...	593	11	1	*By Expenditure as per Annual Summary, Form No. 58* ...	...	..	.	6,40,274	9	1
„ *VIeII.—Assessed Taxes*							„ *Deposits*	...	...	...	2 407	6	0
Income Tax—Deductions from salaries ...	...	...	...	3,615	3	6	„ *Forest Cash Remittances—Local—*						
„ *Revenue as per Annual Summary, Form No. 58* ...	...	..	..	10,20,074	7	2	Remittances to Treasuries	5,79,221	14	1			
„ *Service Funds—*							Inter-Divisional Transfers...	10,962	9	1			
Civil Fund—Ordinary, Bengal	...	...	...								5,90,184	7	2
„ Additional, Bengal	...	...	...				„ *Advances Recoverable*	...		..	3,87,324	2	6
Military Fund—Bengal	...	...	.				„ *Suspense*	...	...	...	678	13	3
„ „ Madras	...	..	.				„ *Account Current (other Governments)—*						
„ Orphan Fund—Bengal	...	...	...				Remittances to the Government of India ...	6,378	7	10			
Uncovenanted Service Family Pension Fund—Bengal	1,552	12	2				Ditto ditto Assam ...	347	13	1			
General Family Pension Fund	...	...	...								6,726	4	11
Hindu Family Annuity Fund	...		...				„ *Account Current with Foreign States—*						
				1,552	12	2	Berar Suspense Account	...	...	...	584	6	0
„ *Deposits*	...	.	.	2,232	6	0	„ *Inter-Departmental Transfers—*						
„ *Forest Cash Remittances—Local—*							Public Works Department State Railways ..	...	...	...			
Forest cheques drawn	5,79,685	9	8				North-Western Railways	4,15,835	13	0			
Inter-Divisional Transfers	11,055	9	0				Ditto Ordinary Branches	22,822	10	6			
				5,90,741	2	8	Military Department, Bengal	6,031	4	0			
„ *Advances Recoverable*	..	...	...	5,87,434	12	4	Civil Department— Rs. A. P.						
„ *Suspense*	...	...	...	634	4	0	Jail 6 0 0						
„ *Account Current (other Governments)—*							Survey of India Department ... 6,380 11 7						
Remittances from Government of India ...	16,902	8	3				Miscellaneous 4,803 0 0						
Ditto ditto N.-W. P. and Oudh...	6,979	0	0					11,189	11	7			
Ditto ditto Assam ...	3	4	1										
				23,884	12	4					4,55,879	7	1
Inter-Departmental Transfers—													
Public Works Department Ordinary Branches ...	47,492	15	3				„ *Cash Balance*	...	...	...	327	4	10
Military Department	42	1	5										
Civil Department— Rs. A. P.													
Jail 287 5 1													
Survey of India Department ... 832 8 0													
Miscellaneous 4,968 8 1													
	6,088	5	2	53,623	5	10							
Total ...	...	...	...	20,84,386	13	1	Total ...	...	...	...	20,84,386	13	1

CALCUTTA,
The 15th June 1892.

J. BRIDGNELL,
Chief Superintendent, Forest Account Branch.

Form No. 60

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING 1891-92.

Division.	Particulars	Outstandings at commencement of year.			Value of sales and other revenue during year.			Total.			Amount realised during year.			Balance due to the Department at end of year.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Direction		...	...	...	3,078	4	4	3,078	4	4	3,078	4	4	...	...	...
Hazára	..	35	8	0	30,566	0	10	30,601	8	10	(a) 30,493	12	8	107	12	2
Ráwalpindi	..	...	...	...	40,663	4	3	40,663	4	3	40,663	4	3	...	...	...
Chamba	..	2,101	6	4	2,05,169	2	4	2,07,270	8	8	2,07,270	8	8	...	...	...
Kángra	..	...	...	...	74,563	2	1	74,563	2	1	71,693	3	1	2,869	15	0
Kulu	...	...	...	...	1,536	5	10	1,536	5	10	1,536	5	10	...	...	...
Bashahr	...	...	...	...	1,013	2	7	1,013	2	7	1,013	2	7	...	...	...
Jhelum	.	37	0	0	73,344	2	0	73,381	2	0	73,381	2	0	...	...	...
Chenáb	...	6,782	12	5	1,07,311	15	7	1,14,094	12	0	(b) 1,09,546	1	0	4,548	11	0
Lahore	...	2,286	1	2	1,08,447	11	10	1,10,733	13	0	1,10,333	12	6	400	0	6
Multan	..	...	...	...	71,128	14	6	71,128	14	6	(c) 71,119	6	6	9	8	0
Montgomery	...	15,927	5	8	1,76,055	13	7	1,91,983	3	3	1,73,558	14	9	18,424	4	6
Ambala	...	...	...	...	1,26,688	15	9	1,26,688	15	9	1,26,688	15	9	...	...	...
Total ...	...	27,170	1	7	10,19,566	15	6	10,46,737	1	1	(d) 10,20,376	13	11	26,360	3	2

		Rs.	a.	p.
(a).—(1)	Struck off owing to error, (*vide* Conservator's No. 2822, dated 1st January 1892)	29	12	4
(2)	Written off (*vide* Commissioner and Superintendent Peshawar Division's No. 1176, dated 9th April 1892)	19	8	0
(b).—(1)	Written off (*vide* Commissioner and Superintendent's No. 1450, dated 15th May 1891, to Deputy Commissioner, Gujránwála)	24	3	9
(2)	Struck off owing to error (*vide* Conservator's No. 319, dated 2nd May 1891)	18	14	8
(3)	Written off (*vide* Financial Commissioner's No. 1576, dated 3rd March 1892)	125	0	0
(c).—	Struck off on account of cancelled sale	85	0	0
	Total	302	6	9
	Revenue as per Form No. 58	10,20,074	7	2
	Amount struck off under sanction	302	6	9
	(d). Total ...	10,20,376	13	11

Form No. 61.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FOR 1891-92.

Division.	Department Debtor.									Department Creditor.										Balance due.					
	At commencement of year.			Recoveries in cash and value of supplies and work done during the year.			At close of year.			At commencement of year.			Payments made during year.			At close of year			To Department (Outstandings).			By Department (Liabilities).		
	Rs.	A.	P.	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P	Rs.	A	P.	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Direction ...	...	..	..	20,304	4	11	20,304	4	11	192	0	11	21,304	14	8	21,496	15	7	1,192	10	8	...	...	..
Bashahr ...	...	..	..	73,964	11	8	73,964	11	8	5,868	13	6	71,678	4	0	77,547	1	6	3,583	15	1	1	9	3
Ambala ...	...	.	.	27,425	4	2	27,425	4	2	581	0	5	28,169	6	1	28,750	6	6	1,825	2	4	...	...	...
Kulu ..	...	.	..	12,571	11	4	12,571	11	4	237	11	3	12,412	4	1	12,649	15	4	78	4	0	...	...	..
Kángra ...	...	.	..	35,394	3	3	35,394	3	3	817	2	1	35,262	12	4	36,079	14	5	685	11	2	...	...	...
Chamba ..	...	..	.	73,138	11	2	73,138	11	2	56	5	0	73,241	0	0	73,297	11	0	158	15	10	...	..	...
Lahore ...	...	.	.	32,921	6	0	32,921	6	0	9	13	7	33,027	7	1	33,037	4	8	115	14	8	...	..	...
Montgomery	...	.	..	23,624	7	4	23,624	7	4	75	5	1	23,728	8	10	23,803	13	11	179	6	7	...	...	...
Multan ...	...	..	..	12,027	1	7	12,027	1	7	103	15	9	12,829	2	11	12,933	2	8	906	1	1	...	.	...
Chenáb ...	...	.	..	18,497	5	1	18,497	5	1	179	8	1	18,503	10	7	18,68:	2	8	185	13	7	...	.	...
Jhelum ...	..	..	..	17,370	12	10	17,370	12	10	165	14	10	17,323	12	2	17,489	11	0	118	14	2	...	...	..
Ráwalpindi ...	...	..	.	15,558	8	2	15,558	8	2	52	7	8	15,540	14	8	15,593	6	4	34	14	2	...	.	..
Hazára ...	...	..	..	24,636	4	10	24,636	4	10	414	1	2	24,301	11	1	24,715	12	3	79	7	5	...	..	..
Total ...	...	...		3,87,434	12	4	3,87,434	12	4	8,754	3	4	3,87,324	2	6	3,96,078	5	10	8,645	2	9	1	9	3

Calcutta,
The 15th June 1891.

J. BRIDGNELL,
Chief Superintendent, Forest Account Branch.

Form No. 62.

FINANCIAL RESULTS OF THE YEAR 1891-92.

Division.	*Timber and other produce removed from the Forests by Government Agency.*		*Other revenue.*		*Formation, protection and improvement of Forests.*	*Total.*		Remarks.
	Receipts	Charges.	Receipts	Charges.	Charges.	Receipts	Charges	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Hazára	10,261	23,927	20,184	7,859	9,338	30,445	41,124	
Ráwalpindi	774	5,706	39,889	5,203	7,033	40,663	17,942	
Chamba	2,04,063	74,874	3,208	8,407	17,651	2,07,271	1,00,932	
Kángra	51,799	17,620	19,894	9,025	11,135	71,693	37,780	
Kulu	48	7,247	1,488	4,962	6,190	1,536	18,399	
Bashahr	750	54,854	263	8,155	19,577	1,013	82,586	
Jhelum	52,584	11,904	20,797	6,864	7,449	73,381	26,217	
Chenáb	6,771	9,693	1,02,607	9,303	8,471	1,09,378	27,467	
Lahore	56,480	22,960	53,854	6,111	56,772	1,10,334	85,843	
Multan	57,577	26,881	13,457	6,049	7,348	71,034	40,278	
Montgomery	1,29,544	65,598	44,015	3,317	2,767	1,73,559	71,682	
Ambala	1,20,877	18,059	5,812	5,592	8,516	1,26,689	32,167	
Direction	539	20,871	2,539	16,832	20,154	3,078	57,857	
Total ...	6,92,067	3,60,194	3,28,007	97,679	1,82,401	10,20,074	6,40,274	
Total for 1890-91 ...	5,34,277	3,84,726	3,00,093	1,04,809	1,74,009	8,34,370	6 63,544	

APPENDIX A.

STATEMENT OF ANIMALS IMPOUNDED DURING 1891-92.

Division.	Cattle and buffaloes.	Sheep and goats.	Camels.	Horses and asses, &c.	Total.	Total of 1890-91.
Hazara	1,323	1,593	18	2	2,936	2,954
Ráwalpindi	1,964	4,838	206	14	7,022	6,526
Chamba	...	...	...	...	...	...
Kángra	2,215	365	11	57	2,648	2,762
Kulu	2	120	...	...	122	229
Bashahr	...	...	...	...	...	...
Jhelum	981	1,134	68	78	2,261	1,131
Chenáb	3,502	2,110	187	64	5,863	4,545
Lahore	3,789	4,548	193	120	8,650	8,676
Multan	1,887	1,335	548	126	3,896	4,423
Montgomery	1,704	247	162	78	2,191	2,223
Ambala	215	95	...	17	327	944
Simla Hill Tracts	282	...	...	...	282	172
Total ...	17,864	16,385	1,393	556	36,198	34,585

APPENDIX B.

STATEMENT OF IMPORTS OF TIMBER AND BAMBOOS DURING 1891-92.

River.	Territory from which received.	Deodár logs.	Pine logs.	Other logs.	Sleepers.	Scantlings.	Bamboos.	Miscellaneous timber.
Sutlej ...	Native States ...	...	849	...	1,32,714	44,859	1,04,375	512
Beás ...	Mandi ...	...	...	...	61,877	...	11,345	311
Rávi ...	Kashmír ...	9,930	...	25	8,896	8,550	1,525	...
Chenáb ...	Ditto ...	9,246	1,018	...	3,37,204	...	680	5,997
Jhelum ...	Ditto ...	70	...	...	62,537	...	...	71,279
Indus ...	Swát, Kashgar, Chinjli, &c.	19,670	...	...	...	...	...	69,824
	Total ...	38,916	1,867	25	6,03,228	53,409	1,17,925	1,47,923

APPENDIX C.

STATEMENT SHOWING ABSTRACT OF DRIFT OPERATIONS DURING THE YEAR 1891-92.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
DRIFT TIMBER.				
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Jhelum Division.				
Deodar logs ..	1	0		
Pine logs	2	16		
Sleepers	1	8		
			4	28
Chenab Division.				
Deodar logs ...	139	1,699		
Pine logs	117	1,947		
B. G. sleepers ...	35	105		
Pine sleepers ...	7	21		
Scraps and pieces	524	2,507		
			822	5,079
Ambala Division.				
Scantlings ...	4,670	10,241		
			4,670	10,241
TOTAL BALANCE ...			5,496	16,248
RECEIPTS.				
Received during the year.				
Deodar logs ...	823	11,217		
Pine and other logs	490	4,887		
B. G. sleepers ...	4,267	14,810		
N. G. sleepers ...	5,392	7,171		
Deodar sleepers ...	37	101		
Sleepers ...	225	769		
Pine sleepers ...	51	151		
Sleepers and scantlings ...	599	1,754		
Scantlings ...	980	2,141		
Deodar beams ...	8	21		
Miscellaneous pieces	2,056	5,747		
			14,923	48,269
Gained by re-measurement.				
Deodar logs ...	...	28		
Miscellaneous pieces	...	100		
			...	128
Received by transfer from other classes.				
B. G. sleepers ...	789	2,738		
N. G. sleepers ...	1,171	1,557		
Scantlings	29	43		
Miscellaneous pieces	135	215		
			2,124	4,553
Erroneously struck off and brought again into account.				
Miscellaneous pieces	1	3		
			1	3
TOTAL RECEIPTS			17,048	52,951
GRAND TOTAL ...			22,544	69,199
TOTAL FOR 1890-91			12,920	41,422

Particulars.	No or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
DISPOSALS.				
Made over to Claimants.				
Deodar logs ...	138	3,494		
Pine and other logs	8	70		
B. G. sleepers ...	4,633	15,739		
N. G sleepers ...	6,448	8,576		
Sleepers	14	46		
Deodar sleepers ...	10	22		
Pine sleepers ...	33	100		
Sleepers and scantlings	556	1,068		
Scantlings ...	3,524	7,089		
Miscellaneous pieces	501	797		
			15,865	38,201
Transferred to Government Account.				
Deodar logs ...	640	7,264		
Pine and other logs	552	6,156		
B. G sleepers ...	370	1,168		
N. G. sleepers ...	80	107		
Deodar sleepers ...	25	71		
Sleepers	177	620		
Pine sleepers ...	22	64		
Sleepers and scantlings	43	86		
Scantlings ..	98	188		
Deodar beams ...	3	21		
Miscellaneous pieces	2,094	7,495	(a) 4,113	23,240
Transferred to other classes.				
Scantlings ...	2,062	4,553	2,062	4,553
Erroneously struck off.				
Miscellaneous pieces	1	3	1	3
TOTAL DISPOSALS ...			22,041	65,997
BALANCE AT CLOSE OF THE YEAR.				
Jhelum Division.				
Deodar logs ...	18	882		
Sleepers	35	100		
Miscellaneous pieces	9	12		
			62	1,000
Chenab Division.				
Deodar logs ...	69	530		
Pine logs	48	319		
B. G. sleepers ...	60	180		
Miscellaneous pieces	100	251		
			277	1,280
Multan Division.				
Deodar logs ...	98	781		
Kikar log ...	1	5		
Deodar sleepers ...	2	8		
Pine sleepers ...	3	8		
			104	802
Ambala Division.				
B. G. sleepers ...	10	66		
N. G. sleepers ...	35	45		
Sleeper pieces ...	6	9		
			60	120
TOTAL BALANCE ...			503	3,202
GRAND TOTAL ...			22,544	69,199
TOTAL FOR 1890-91			12,920	41,422

(a). Seven miscellaneous pieces, when transferred to Government account, were shown in Form 56 for timber as three full planks and 1 piece.